



Centers for Disease
Control and Prevention
National Center for
Health Statistics

Survey Content for the National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey



Preface

This brochure lists all publicly available data items for the National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS), arranged by ambulatory care setting and year. NAMCS and NHAMCS are conducted by the Centers for Disease Control and Prevention's National Center for Health Statistics (NCHS), within NCHS' Division of Health Care Statistics. The surveys are components of the National Health Care Surveys, a family of surveys that measure health care utilization across various settings, including physician offices, community health centers, hospital emergency departments (EDs), outpatient departments (OPDs), and ambulatory surgery locations. The lists provided here show which variables were used in each survey year and how they have changed, or remained the same, over time.

Ambulatory medical care is the predominant method of providing health care services in the United States, and although it occurs in a wide range of settings, the largest proportion of ambulatory care takes place in physician offices. NAMCS was inaugurated in 1973 to gather, analyze, and disseminate information about the health care provided by office-based physicians. NAMCS is complemented by NHAMCS, which was first conducted in 1992 to expand the scope of data collection to the medical services provided in EDs, OPDs, and ambulatory surgery locations (both hospital-based and freestanding). Hospital-based ambulatory surgery locations were added to NHAMCS in 2009, and freestanding centers were added in 2010. Together, NAMCS and NHAMCS data provide an important tool for tracking ambulatory health care utilization in the United States.

NAMCS and NHAMCS have undergone notable changes throughout the years. Starting in 2003, questions were added to both surveys regarding provider's electronic health record (EHR) systems. In 2006, the NAMCS sample design added a stratum of community health centers. Also in 2006, all drug codes based

on entry name were also assigned a unique generic drug code from Multum's Lexicon Drug Database. The structure of the Multum database is such that multiple ingredient drugs are assigned a single generic drug code encompassing all of a drug's ingredients rather than being assigned generic drug codes for each ingredient, as in past years of NAMCS drug data. Laboratory test results were collected in NAMCS beginning in 2010, and in NHAMCS in 2011. The NAMCS sample size increased five-fold in 2012, which for the first time allows for state-based estimates. A Lookback module was added in 2012 to collect clinical data on heart disease and stroke, in order to evaluate and monitor the appropriateness of clinical management and the relationship to these outcomes.

This brochure is divided into two chapters. The first chapter of the brochure presents items from NAMCS and NHAMCS-OPD data collection instruments. The first section within the first chapter, "Visit characteristics", presents patient medical record data, which are nearly identical for both NAMCS and NHAMCS-OPD components. The second section is "Practice characteristics", which presents data content for the NAMCS physician induction survey and facility characteristics for the NHAMCS-OPD Induction interview. The second chapter encompasses the ED component of the NHAMCS, which presents both "ED Facility characteristics" and "Visit characteristics". This version of the brochure has been revised to match the most current survey layout.

The success of NAMCS and NHAMCS is due in part to NCHS' commitment to protecting respondent confidentiality. For this reason, there are a number of variables each year that are not available on the public-use files but which have great analytic potential. For example, supplemental questions on various topics were given to physicians of certain specialties. The topics for NAMCS included cervical cancer screening (2006–10), EHR/EMR (2008–12), and physician workflow (2011–12). The topics

for NHAMCS included cervical cancer screening (2006–10), pandemic and emergency response preparedness (2008), and emergency pediatric services and equipment (2006). Researchers may access many of these variables through the NCHS Research Data Center. Research proposals must be reviewed and approved by NCHS staff, and fees apply. A list of such variables can be found on the Ambulatory Health Care Data website (<http://www.cdc.gov/nchs/ahcd.htm>) by following the quick link, "Questionnaires, Datasets, and Related Documentation" and viewing the "Additional NAMCS and NHAMCS Data Available at the Research Data Center" section at the bottom of the page.

This brochure will be updated as needed, with the most recent version appearing on the NAMCS and NHAMCS website, listed below.

For more information, please visit online:
National Health Care Surveys
http://www.cdc.gov/nchs/dhcs/about_dhcs.htm
NAMCS and NHAMCS
<http://www.cdc.gov/nchs/ahcd.htm>
Research Data Center (RDC)
<http://www.cdc.gov/rdc/>

Additional information on NAMCS and NHAMCS can also be obtained by contacting NCHS' Ambulatory and Hospital Care Statistics Branch at 301–458–4600.

Survey Content for NAMCS and NHAMCS–OPD

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | | Notes | |
|-------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | | |
| Patient information | | | | | | | | | | | | | | | | | | | | | |
| Date of visit | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | From 1973–81, only the month and year are given. In 1985 and 1989–96, the 2-digit day is also provided. Starting in 1997, day of week is given instead of specific date. |
| ZIP code ⁴ | | | | | | X | | | X | | X | X | X | X | X | X | X | X | X | X | |
| Date of birth | X | X | X | X | | | | | | | | | | | | | | | | | Only the month and year are given. |
| Age | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Sex | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Is patient pregnant? | | | | | | | | | | | X | | | | X | | | | | X | |
| If yes, gestation week or last menstrual period | | | | | | | | | | | | | | | X | | | | | X | |
| Race | | | | | | | | | | | | | | | | | | | | | Prior to 1999, only one race could be selected. |
| White | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Black or African American | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Black | | | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| Negro/black | X | X | | | | | | | | | | | | | | | | | | | |
| Asian | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Asian or Pacific Islander | | | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| Native Hawaiian or Other Pacific Islander | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| American Indian/ Eskimo/ Aleut | | | | | | X | X | X | X | X | | | | | | | | | | | |
| American Indian or Alaska Native | | | X | X | X | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Other | X | X | | | | | | | | | | | | | | | | | | | |
| Unknown | X | X | | | | | | | | | | | | | | | | | | | |
| Ethnicity | | | | | | | | | | | | | | | | | | | | | |
| Hispanic origin | | | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| Not Hispanic | | | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| Hispanic or Latino | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Not Hispanic or Latino | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Does patient smoke cigarettes? | | | | | | | | X | X | X | | | X | X | X | | | | | | In 2001–04, "Does patient use tobacco? (Yes/No/Unknown)." |
| Tobacco use | | | | | | | | | | | | | | | | | | | | | |
| Not current | | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Never | | | | | | | | | | | | | | | X | | | | | | |
| Former | | | | | | | | | | | | | | | X | | | | | | |
| Current | | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Unknown | | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Was authorization required for care? | | | | | | | | | | X | X | | | | | | | | | | |
| Is this a capitated visit? | | | | | | | | | | X | X | | | | | | | | | | |
| Expected source(s) of payment for this visit | | | | | | | | | | | | | | | | | | | | | In 1997–2004, "Primary expected source of payment for this visit." |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|----------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Preferred provider option | | | | | | | | | X | | | | | | | | | | | |
| Insured, fee-for-service | | | | | | | | | X | | | | | | | | | | | |
| HMO ⁵ /other prepaid | | | | | | | X | X | X | | | | | | | | | | | |
| HMO ⁵ /prepaid plan | | | | | X | | | | | | | | | | | | | | | |
| Prepaid plan/HMO ⁵ /IPA ⁶ /PPO ⁷ | | | | | | X | | | | | | | | | | | | | | |
| Self-pay | | | | | X | X | | | X | X | X | X | X | X | X | X | X | X | X | X |
| Patient paid | | | | | | | X | X | | | | | | | | | | | | |
| No charge/charity | | | | | | | | | | | | X | X | X | X | X | X | X | X | X |
| No charge | | | | | X | X | X | X | X | X | | | | | | | | | | |
| Private/commercial | | | | | | | X | X | | | | | | | | | | | | |
| Other government | | | | | | | X | X | | | | | | | | | | | | |
| Blue Cross/Blue Shield | | | | | X | X | | | X | | | | | | | | | | | |
| Other commercial insurance | | | | | X | X | | | | | | | | | | | | | | |
| Other private insurance | | | | | | | | | X | | | | | | | | | | | |
| Private Insurance | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X |
| Medicare | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Medicaid | | | | | X | X | X | X | X | X | | | | | | | | | | |
| Medicaid/SCHIP ⁸ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In 2011–12, "Medicaid or CHIP." |
| Worker's compensation | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Other | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Unknown | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X |
| Does patient belong to an HMO ⁵ ? | | | | | | | | | | X | X | | | | | | | | | |
| Vital signs | | | | | | | | | | | | | | | | | | | | |
| Height | | | | | | | | | | | | | | | X | X | X | X | X | Actual measurements recorded. |
| Weight | | | | | | | | | | | | | | | X | X | X | X | X | Actual measurements recorded. |
| Temperature | | | | | | | | | | | | | | X | X | X | X | X | X | Actual measurements recorded. |
| Blood pressure | | | | | | | | | | | | | | X | X | X | X | X | X | Actual measurements recorded. |
| Patient reason for visit | | | | | | | | | | | | | | | | | | | | |
| Reason for visit (verbatim text) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | In 1973–90, up to two reasons collected. Starting in 1991, up to three reasons collected and coded to Reason for Visit Classification. |
| Major reason for this visit | | | | | | | | | | | | | | | | | | | | |
| Acute problem | X | | X | X | | | | | | X | X | X | X | | | | | | | |
| New problem | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Acute problem, follow-up | X | | | | | | | | | | | | | | | | | | | |
| Chronic problem, routine | X | | X | X | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Chronic problem, flare-up | X | | X | X | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Prenatal care | X | | | | | | | | | | | | | | | | | | | |
| Postnatal care | X | | | | | | | | | | | | | | | | | | | |
| Pre-/post-surgery | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| Post-surgery/injury | | | X | | | | | | | | | | | | | | | | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes |
|-----------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | |
| Pre- or post-surgery/injury follow-up | | | | | | | | | | X | X | | | | | | | | |
| Post-surgery/post-injury | | | | X | | | | | | | | | | | | | | | |
| Postoperative care | X | | | | | | | | | | | | | | | | | | |
| Well adult/child exam | X | | | | | | | | | | | | | | | | | | |
| Family planning | X | | | | | | | | | | | | | | | | | | |
| Counseling/advice | X | | | | | | | | | | | | | | | | | | |
| Immunization | X | | | | | | | | | | | | | | | | | | |
| Referred by other physician/agency | X | | | | | | | | | | | | | | | | | | |
| Administrative purpose | X | | | | | | | | | | | | | | | | | | |
| Non-illness care | | | X | X | | | | | | X | X | | | | | | | | |
| Preventive care | | | | | | | | | | | | X | X | X | X | X | X | X | X |
| Other | X | | | | | | | | | | | | | | | | | | |
| Episode of care | | | | | | | | | | | | | | | | | | | |
| Initial visit for problem | | | | | | | | | | | | X | X | X | | | | | |
| Follow-up visit for problem | | | | | | | | | | | | X | X | X | | | | | |
| Unknown | | | | | | | | | | | | X | X | X | | | | | |
| Time since onset of complaint/symptom | | | | | | | | | | | | | | | | | | | |
| Less than 1 day | | X | | | | | | | | | | | | | | | | | |
| 1–6 days | | X | | | | | | | | | | | | | | | | | |
| 1–3 weeks | | X | | | | | | | | | | | | | | | | | |
| 1–3 months | | X | | | | | | | | | | | | | | | | | |
| More than 3 months | | X | | | | | | | | | | | | | | | | | |
| Not applicable | | X | | | | | | | | | | | | | | | | | |
| Injury, poisoning, or adverse effect | | | | | | | | | | | | | | | | | | | |
| Is this visit related to any of the following? | | | | | | | | | | | | | | | X | X | X | X | X |
| Unintentional injury/poisoning | | | | | | | | | | | | | | | X | X | X | X | X |
| Intentional injury/poisoning | | | | | | | | | | | | | | | X | X | X | X | X |
| Injury/poisoning — unknown intent | | | | | | | | | | | | | | | | X | X | X | X |
| Adverse effect of medical/surgical care or adverse effect of medicinal drug | | | | | | | | | | | | | | | X | X | X | X | X |
| None of the above | | | | | | | | | | | | | | | X | X | X | X | X |
| Unknown | | | | | | | | | | | | | | | X | | | | |
| Is this visit injury related? | | | | | | | X | X | X | | | | | | | | | | |
| Is this visit related to an injury or poisoning? | | | | | | | | | | X | X | | | | | | | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | | |
|-------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | | |
| Is this visit related to an injury, or poisoning, or adverse effect of medical treatment? | | | | | | | | | | | | X | X | X | | | | | X | | |
| Accidental injury | | | X | | | | | | | | | | | | | | | | | | |
| Product-related illness | | | X | | | | | | | | | | | | | | | | | | |
| Neither of the above | | | X | | | | | | | | | | | | | | | | | | |
| Describe all objects, products, or substances involved in the accident or product-related illness (verbatim text) | | | X | | | | | | | | | | | | | | | | | | |
| Is this injury intentional? | | | | | | | | | | | | | | | | | | | | | |
| Yes, self-inflicted | | | | | | | | | | X | X | | | | | | | | | | |
| Yes, assault | | | | | | | | | | X | X | | | | | | | | | | |
| No, unintentional | | | | | | | | | | X | X | | | | | | | | | | |
| Unknown | | | | | | | | | | X | X | | | | | | | | | | |
| Was patient at work, job or business when accident or exposure occurred? | | | X | | | | | | | | | | | | | | | | | | |
| Is this injury work-related? | | | | | | | | X | X | X | | | | | | | | | | | |
| Location of accident or exposure to product | | | X | | | | | | | | | | | | | | | | | | |
| Private residence | | | X | | | | | | | | | | | | | | | | | | |
| Elsewhere (specify) | | | X | | | | | | | | | | | | | | | | | | |
| Unknown | | | X | | | | | | | | | | | | | | | | | | |
| Place of occurrence | | | | | | | | | | | | | | | | | | | | | |
| Residence | | | | | | | | X | X | X | | | | | | | | | | In 1995–96, “home” was asked. | |
| Recreation/sports area | | | | | | | | X | X | X | | | | | | | | | | In 1995–96, “sports or athletics area” was asked. | |
| Street or highway | | | | | | | | X | X | X | | | | | | | | | | | |
| School | | | | | | | | X | X | X | | | | | | | | | | | |
| Other public building | | | | | | | | | X | X | | | | | | | | | | | |
| Industrial places | | | | | | | | | X | X | | | | | | | | | | | |
| Other | | | | | | | | X | X | X | | | | | | | | | | | |
| Unknown | | | | | | | | X | X | X | | | | | | | | | | | |
| Cause of injury (verbatim text) | | | | | | | | X | X | X | X | X | X | | | | | | | | Up to three causes of injury could be entered. Coded to the Supplemental Chapter of ICD–9–CM. In 2001–04, “If yes, cause of injury, poisoning, or adverse effect” (verbatim text) was asked. |
| Was patient previously treated for this condition? | | | X | | | | | | | | | | | | | | | | | | |
| No | | | X | | | | | | | | | | | | | | | | | | |
| Yes | | | | | | | | | | | | | | | | | | | | | |
| Hospital emergency room | | | X | | | | | | | | | | | | | | | | | | |
| Private physician’s office | | | X | | | | | | | | | | | | | | | | | | |
| Physician elsewhere (specify) | | | X | | | | | | | | | | | | | | | | | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Place unknown | | | X | | | | | | | | | | | | | | | | | |
| Unknown | | | X | | | | | | | | | | | | | | | | | |
| Continuity of care | | | | | | | | | | | | | | | | | | | | |
| Are you the patient's primary care physician/provider? | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Was patient referred for this visit by another physician? | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | In 1997–2000, "Was patient referred by another physician or by a health plan for this visit?" In 2010–12, "Was patient referred for this visit?" |
| Has the patient been seen in your practice before? | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | In 1973–76, "Have you ever seen this patient before?" In 1977–90, "Have you seen patient before?" In 1997–2000, "Have you or anyone in your practice/department seen patient before?" |
| If yes, how many past visits in the last 12 months? | | | | | | | | | | | | X | X | X | X | X | X | X | X | Categories are "none," "1–2," "3–5," and "6+." |
| If yes, for primary diagnosis? | X | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| Do other physicians share patient's care for this problem or diagnosis? | | | | | | | | | | | | X | X | X | | | | | | |
| Physician's diagnosis | | | | | | | | | | | | | | | | | | | | |
| Diagnosis (verbatim text) | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | Up to three diagnoses could be entered. Coded to ICD–9–CM. |
| Is diagnosis probable, questionable, or rule out? | | | | | | | | | | X | X | X | X | X | X | X | X | X | | |
| Seriousness of physician's diagnosis | | | | | | | | | | | | | | | | | | | | |
| Very serious | X | X | | | | | | | | | | | | | | | | | | |
| Serious | X | X | | | | | | | | | | | | | | | | | | |
| Slightly serious | X | X | | | | | | | | | | | | | | | | | | |
| Not serious | X | X | | | | | | | | | | | | | | | | | | |
| Chronic conditions | | | | | | | | | | | | | | | | | | | | |
| Does patient now have | | | | | | | | | | | | | | | | | | | | Starting in 2005, "Regardless of the diagnoses written previously, does patient now have?" was used. |
| Atherosclerosis | | | | | | | | | X | | | | | | | | | | | |
| Arthritis | | | | | | | | | X | | | | | X | X | X | X | X | | |
| Asthma | | | | | | | | | | X | | | | X | X | X | X | X | | |
| Cancer | | | | | | | | | | | | | | X | X | X | X | X | | |
| In situ | | | | | | | | | | | | | | X | X | X | | X | | Not in 2005. |
| Local | | | | | | | | | | | | | | X | X | | | | | Not in 2005. |
| Regional | | | | | | | | | | | | | | X | X | | | | | Not in 2005. |
| Distant | | | | | | | | | | | | | | X | X | | | | | Not in 2005. |
| Unknown | | | | | | | | | | | | | | X | X | | | | | Not in 2005. |
| Stage I | | | | | | | | | | | | | | | | | | X | X | Not in 2009. |
| Stage II | | | | | | | | | | | | | | | | | | X | X | Not in 2009. |
| Stage III | | | | | | | | | | | | | | | | | | X | X | Not in 2009. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|---------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|---------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Stage IV | | | | | | | | | | | | | | | | | X | | X | Not in 2009. |
| Unknown stage | | | | | | | | | | | | | | | | | X | | X | Not in 2009. |
| Cerebrovascular disease | | | | | | | | | | | | | | | X | X | X | X | X | In 2011–12, “Cerebrovascular disease/History of stroke or transient ischemic attack (TIA).” |
| CHF ⁹ | | | | | | | | | | | | | | | X | X | X | X | X | |
| Chronic renal failure | | | | | | | | | X | | | | | | X | X | X | X | X | |
| COPD ¹⁰ | | | | | | | | | X | | | | | | X | X | X | X | X | |
| Depression | | | | | | | X | | X | | | | | | X | X | X | X | X | |
| Diabetes | | | | | | | | X | X | | | | | | X | X | X | X | X | |
| HIV ¹¹ | | | | | | | | X | X | | | | | | | | | | | In 1995–96, “HIV/AIDS” was used. ^{11,12} |
| Hyperactivity/ADD ¹³ | | | | | | | | | X | | | | | | | | | | | |
| Hypercholesterolemia | | | | | | | X | | | | | | | | | | | | | |
| Hyperlipidemia | | | | | | | | | | | | | | | X | X | X | X | X | |
| Hypertension | | | | | | | X | | X | | | | | | X | X | X | X | X | |
| Ischemic heart disease | | | | | | | | | | | | | | | X | X | X | X | X | |
| Obesity | | | | | | | X | X | X | | | | | | X | X | X | X | X | |
| Osteoporosis | | | | | | | | | X | | | | | | X | X | X | X | X | |
| None of the above | | | | | | | | X | X | | | | | | X | X | X | X | X | |
| Services ordered or provided | | | | | | | | | | | | | | | | | | | | |
| Glucose tests this visit | | | | | | | | | | | | | | | | | | | | |
| None | | | | | X | | | | | | | | | | | | | | | |
| Blood | | | | | X | | | | | | | | | | | | | | | |
| Urine | | | | | X | | | | | | | | | | | | | | | |
| Oral | | | | | X | | | | | | | | | | | | | | | |
| Ambulatory surgical procedures | | | | | | | | | | | | | | | | | | | | |
| Number collected | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | |
| Scheduled | | | | | | | X | | | | | | | | | | | | | |
| Ordered | | | | | | | | X | | | | | | | | | | | | |
| Ordered/scheduled | | | | | | | | | | | | X | X | X | | | | | | |
| Performed | | | | | | | X | X | | | | X | X | X | | | | | | |
| Local anesthesia | | | | | | | X | | | | | | | | | | | | | |
| Regional anesthesia | | | | | | | X | | | | | | | | | | | | | |
| General anesthesia | | | | | | | X | | | | | | | | | | | | | |
| Examinations | | | | | | | | | | | | | | | | | | | | |
| Breast exam | | | | | X | X | | | X | X | X | | | | X | X | X | X | X | In 1989–90, “breast palpation” was used. |
| Depression screening | | | | | | | | | | | | | | | X | X | X | X | X | |
| Mental status exam | | | | X | X | | X | | X | | | | | | X | X | X | X | X | In 2005, was changed to “depression screening.” |
| Foot exam | | | | | | | | | | | | | | | | | X | X | X | |
| General history/exam | X | X | X | X | | | | | | | | | | | | | | | | |
| General medical exam | | | | | | | | | | | | X | X | X | | | | | | |
| General physical exam | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-----------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Limited history/exam | X | X | X | X | | | | | | | | | | | | | | | | In 1973–74, not available. |
| Glaucoma exam | | | | | | | | | | X | X | | | | | | | | | |
| Neurologic exam | | | | | | | | | | | | | | | | | | | X | |
| Other exam — specify site | | | | | | | | | | | | X | X | X | | | | | | In 2001, “Other diagnostic/screening service.” |
| Pelvic exam | | | | | X | X | | | X | X | X | | | | X | X | X | X | X | |
| Rectal exam | | | | | X | X | | | X | X | X | | | | X | X | X | X | X | In 1989–90, “digital rectal exam” was used. |
| Retinal exam | | | | | | | | | | | | | | | | | X | X | X | |
| Skin exam | | | | | | | | | | X | X | | | | X | X | X | X | X | |
| Stool blood exam | | | | | | X | | | | | | | | | | | | | | |
| Blood tests | | | | | | | | | | | | | | | | | | | | |
| Blood chemistry | | | | | X | | | | | | | | | | | | | | | |
| Blood lead levels | | | | | | | | | X | X | X | | | | | | | | | |
| CBC (complete blood count) | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| Cholesterol test | | | | | | X | X | | X | X | X | X | X | | | | | | | |
| Electrolytes | | | | | | | | | | | | | | X | X | X | | | | |
| Glucose test | | | | | X | X | | | | | | | | X | X | X | X | X | X | In 1989–90, “oral glucose tolerance” was used. |
| Hematocrit/hemoglobin | | | | | | | | | | X | X | X | X | X | | | | | | |
| Hematology | | | | | X | | | | | | | | | | | | | | | |
| HbA1c (Glycohemoglobin) | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Lipids/cholesterol | | | | | | | | | | | | | | X | X | X | X | X | X | In 2012, “Lipid profile” was used. |
| Lipid profile | | | | | | | | | | | | | | | | | | | | X |
| Other blood test | | | | | | X | | X | X | X | X | X | X | X | X | X | X | X | X | |
| PSA ¹⁴ | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Imaging | | | | | | | | | | | | | | | | | | | | |
| Bone mineral density | | | | | | | | | | | | | | | X | X | X | X | X | |
| CAT scan ¹⁵ | | | | | | | | | X | | | | | | | | | | | |
| CAT scan/MRI ^{15,16} | | | | | | | | | | X | X | | | | | | | | | |
| CT scan ¹⁷ | | | | | | | | | | | | | | | | X | X | X | X | |
| Chest X-ray | | | | | X | X | X | | | | | | | | | | | | | |
| Echocardiogram | | | | | | | | | | | | | | | | X | X | X | X | |
| Mammography (gram) | | | | | | X | X | | | X | X | X | X | X | X | X | X | X | X | In 1989–92, “mammogram” was used. |
| MRI ¹⁶ | | | | | | | | | X | | | | | | | X | X | X | X | |
| MRI/CT/PET ^{16,17,18} | | | | | | | | | | | | | | | X | | | | | |
| Other imaging | | | | | | | | | X | | | X | X | X | X | X | X | X | X | |
| Other radiology | | | | | X | | X | | | | | | | | | | | | | |
| Other ultrasound | | | | | | | | | | | | | | | | X | X | X | X | |
| PET scan ¹⁸ | | | | | | | | | | | | | | | | X | | | | |
| Ultrasound | | | | | X | | | | X | X | X | X | | | X | | | | | |
| X-ray | X | X | X | X | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Other tests and procedures | | | | | | | | | | | | | | | | | | | | |
| Allergy testing | | | | | | | X | X | | | | | | | | | | | | |
| Audiometry | | | | | | | | | | | | | | | | | | | | X |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|---------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Hearing test | X | | | | | | X | | | X | X | | | | | | | | X | In 1973–74, Hearing test not available. |
| Biopsy | | | | | | | | | | | | X | | | X | X | X | X | X | |
| Blood pressure | | | | | X | | | X | X | X | X | X | X | X | X | X | X | X | X | |
| Cardiac stress test | | | | | | | | | | | | | | | | | | | X | |
| Cervical/urethral culture | | | | | | | | | | | | X | | X | | | | | | |
| Chlamydia test | | | | | | | | | | | | | | | X | X | X | X | X | |
| Clinical lab test | X | X | X | X | | | | | | | | | | | | | | | | In 1973–74, “lab procedure/test” was used. |
| Colonoscopy | | | | | | | | | | | | | | | | | | | | X |
| Culture (e.g. throat) — specify | | | | | | | | | | | | X | X | | | | | | | |
| Cystoscopy | | | | | | | | | | | | X | | | | | | | | |
| EKG ¹⁹ | X | X | X | X | X | | | | | X | X | | | | | | | | | In 1973–74, EKG not available. |
| EKG/ECG ^{19,20} | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| EKG-exercise ¹⁹ | | | | | | | | | | X | | | | | | | | | | |
| EKG-resting ¹⁹ | | | | | | | | | | X | | | | | | | | | | |
| Electroencephalogram (EEG) | | | | | | | | | | | | | | | | | | | | X |
| Electromyogram (EMG) | | | | | | | | | | | | | | | | | | | | X |
| Endoscopy | X | X | X | X | | | | | | | | X | | | | | | | | In 1973–74, Endoscopy not available. |
| Excision of tissue | | | | | | | | | | | | X | | | X | X | X | X | X | In 2006, “excision” was used. |
| Fetal monitoring | | | | | | | | | | | | | | | | | | | | X |
| HIV serology ¹¹ | | | | | | | X | X | X | X | X | | | | | | X | X | X | In 2010–12, “HIV test” was used. |
| HPV DNA test ^{21,22} | | | | | | | | | | | | | | | X | X | X | X | X | Starting in 2006. |
| Immunization/desensitization | X | X | X | | | | | | | | | | | | | | | | | In 1973–74, “injection/immunization.” |
| Injection | X | | X | | | | | | | | | | | | | | | | | In 1973–74, “injection/immunization.” |
| Office surgery | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | In 1973–74, “office surgical treatment” was used. In 1985 and 1989–90, “ambulatory surgery” was used. Specific procedures were collected in 1991–2006 and coded to ICD–9– CM vol.3. |
| Orthopedic care | | | | | | | | | | | | | | | X | X | | | | |
| Other lab test | | | | | X | | X | | | | | | | | | | | | | |
| Other nonsurgical procedures — specify | | | | | | | | | | | | | | | X | X | X | X | | |
| Other surgical procedures — specify | | | | | | | | | | | | | | | X | X | X | X | | |
| Other STD test | | | | | | | | | | | X | | | | | | | | | |
| Pap test ²³ | | X | X | X | X | X | X | | | X | X | X | X | X | | | | | X | X |
| Pap test/cervical cytology ²³ | | | | | | | | | | | | | | | X | | | | | Only in 2005. |
| Pap test — conventional ²³ | | | | | | | | | | | | | | | X | X | X | | | Not in 2005. |
| Pap test — liquid-based ²³ | | | | | | | | | | | | | | | X | X | X | | | Not in 2005. |
| Pap test — unspecified ²³ | | | | | | | | | | | | | | | X | X | X | | | Not in 2005. |
| Peak flow | | | | | | | | | | | | | | | | | | | | X |
| Pregnancy test | | | | | | | | | | X | X | X | | | | X | X | X | X | In 2010–12, “pregnancy/HCG test.” |
| Proct/sigmoidoscopy | | | | | | X | | | | | | | | | | | | | | |
| Scope procedure (e.g., endoscopy) — specify | | | | | | | | | | | | X | X | X | X | X | X | X | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | | |
|---------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|----------------------------------------------------------------------------------------------------|---------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | | |
| Sigmoidoscopy | | | | | | | | | | | | | | | | | | | X | | |
| Sigmoidoscopy/colonoscopy | | | | | | | | | | | | X | | | | | | | | | |
| Spirometry | | | | | | | X | X | | | | | | | | | | | X | | |
| Spirometry/pulmonary function test | | | | | | | | | | | | | | | X | X | | | | | |
| Stool culture | | | | | | | | | | | | X | | X | | | | | | | |
| Strep throat test | | | | | | | X | | | X | X | | | | | | | | | | |
| TB skin test ²⁴ | | | | | | | | | X | | | | | | | | | | | | |
| Throat/rapid strep test | | | | | | | | | | | | X | | X | | | | | | In 2003–04, “throat culture/rapid strep test” was used. | |
| Tonometry | | | | | | | | | | | | | | | | | | | X | | |
| Urinalysis | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Urine culture | | | | | | | | | | | | X | | X | | | | | | | |
| Vision test | X | X | X | X | X | X | X | | X | X | X | | | | | | | | | In 1973–74, vision test not available. In 1985, 1989–92 and 1995–2000, “visual acuity” was used. | |
| Prescription drug | X | | X | | | | | | | | | | | | | | | | | | |
| Nonprescription drug | X | | X | | | | | | | | | | | | | | | | | | |
| Drugs (prescription/nonprescription) | | X | | | | | | | | | | | | | | | | | | | |
| Non-medication treatment | | | | | | | | | | | | | | | | | | | | | |
| Cast | | | | | | | | | | | | | | | | | | X | X | X | In 2012, “Cast/splint/wrap.” |
| Splint or wrap | | | | | | | | | | | | | | | | | | X | X | X | |
| Complementary and alternative medicine (CAM) | | | | | | | | | | X | | | | | X | X | X | X | X | | |
| Corrective lenses | | | | | X | X | X | | X | | | | | | | | | | | | |
| Durable medical equipment | | | | | | | | | | | | | | | X | X | X | X | X | | |
| Hearing aid | | | | | | X | X | | | | | | | | | | | | | | |
| Home health care | | | | | | | | | | | | | | | X | X | X | X | X | | |
| Hospice care | | | | | | | | | | | | | | | X | X | | | | | |
| Other service — specify | | | | | | | | | | | | X | X | X | X | X | X | X | | In 2005–06, “other test/service” was used. In 2007, it was changed to “other exam /test/ service.” | |
| Physiotherapy | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | X | X | X | In 2005, was changed to “physical therapy.” |
| Physical therapy | | | | | | | | | | | | | | | | | | | X | X | |
| Mental health counseling, excluding psychotherapy | | | | | | | | | | | | | | | | | | | | X | |
| Psychotherapy/therapeutic listening | X | X | X | X | | | | | | | | | | | | | | | | | |
| Psycho-pharmacotherapy | | | | | | | | | | X | X | | | | | | | | | | |
| Psychotherapy | | | | | X | X | X | | X | X | X | X | X | X | X | X | X | X | X | | |
| Radiation therapy | | | | | X | | | | | | | | | | X | X | X | X | X | Starting in 2006. | |
| Speech/occupational therapy | | | | | | | | | | | | | | | X | X | X | X | | | |
| Wound care | | | | | | | | | | | | | | | X | X | X | X | X | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | | |
|-------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|--------------------------------------------------------------|---------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | | |
| Health education/counseling | | | | | | | | | | | | | | | | | | | | | |
| Alcohol abuse | | | | | | | X | | | | | | | | | | | | | | |
| Asthma | | | | | | | | | | | | X | X | X | X | X | X | X | X | | |
| Asthma action plan given to patient | | | | | | | | | | | | | | | | | | | X | | |
| Breast self-exam | | | | | | X | | | | X | X | | | | | | | | | | |
| Cholesterol reduction | | | | | | X | X | X | X | | | | | | | | | | | | |
| Diet/nutrition | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | | |
| Diet | | X | X | X | X | | X | | X | | | | | | | | | | | | |
| Drug abuse | | | | | | | X | | | | | | | | | | | | | | |
| Exercise | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Family planning | X | X | X | X | X | | X | | | | | | | | | | | | | In 1973–74, not available. | |
| Family planning/contraception | | | | | | | X | | | X | X | | | | | | X | X | X | | |
| Family/social counseling | | | | X | | | X | | | | | | | | | | | | | In 1991–92, “family/social counseling/education” was used. | |
| Growth/development | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| HIV transmission ¹¹ | | | | | | X | | X | X | X | X | | | | | | | | | In 1997–2000, “HIV/STD transmission” was used. ¹¹ | |
| Injury prevention | | | | | | | | X | X | X | X | | | | X | X | X | X | X | | |
| Medical counseling | X | X | X | X | | | | | | | | | | | | | | | | In 1973–74, “medical counseling/advice” was used. | |
| Mental health/stress management | | | | | | | | | | | | X | X | X | | | | | | | |
| Mental health | | | | | | | | | X | X | X | | | | | | | | | | |
| Other | X | X | X | X | X | X | | | | | | | | | | X | X | X | | | |
| Other counseling (i.e., not diet) | | | | | X | | X | X | X | | | | | | | | | | | | |
| Other counseling/education/therapy | | | | | | | | | | | | X | X | X | | | | | | | |
| Other health education | | | | | | | | | | | | | | | X | X | X | X | | | |
| Other mental health counseling | | | | | | | | | | | | | | | X | X | X | X | | | |
| Other STD transmission | | | | | | | | X | | | | | | | | | | | | | |
| Other therapy | | | | | | | X | | X | X | X | | | | | | | | | | |
| Prenatal instructions | | | | | | | | | | X | X | | | | | | | | | | |
| Skin cancer prevention | | | | | | | | | | X | X | | | | | | | | | | |
| Smoking cessation | | | | | | X | X | X | | | | | | | | | | | | | |
| Stress management | | | | | | | | | | X | X | | | | X | X | X | X | X | | |
| Tobacco use/exposure | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | | |
| Weight reduction | | | | | | X | X | X | X | | | X | X | X | X | X | X | X | X | | |
| Medications²⁵ | | | | | | | | | | | | | | | | | | | | | |
| Were medications ordered/provided? | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | Was at least one medication recorded on the form? |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | | Notes |
|---------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Number of medications ²⁶ | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Entry status | | | | X | X | X | X | | | | | | | | | | | | | |
| Medications ²⁷ | 0 | 0 | 0 | 8 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 10 | |
| Drug entry name | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Generic name code | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Prescription status code | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Controlled substance code | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Therapeutic class | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | In 1985 and 1989–92, 2-digit NDC codes were used; 4-digit codes were used thereafter. Starting in 2002, each medication could have up to three therapeutic classes. Starting in 2006, 3-digit multum codes were used. |
| Ingredient code (up to 5) | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Is this a new medication? | | | | X | X | X | X | | | | | | | | X | X | X | X | X | |
| Is this a continued medication? | | | | | | | | | | | | | | | X | X | X | X | X | |
| Is medication for primary diagnosis? | | | | X | X | X | | | | | | | | | | | | | | |
| Was medication from formulary list? | | | | | | | | | | X | X | | | | | | | | | |
| Total number of medications prescribed or provided this visit | | | | | | | | | | | | X | X | X | | | | | | |
| Providers seen (NAMCS)²⁸ | | | | | | | | | | | | | | | | | | | | |
| LPN ²⁹ | | | | | | | | | X | X | X | X | X | X | | | | | | |
| Medical/nursing assistant | | | | | | | | | | X | X | X | X | X | | | | | | |
| Medical assistant | | | | | | | | | X | | | | | | | | | | | |
| Medical technician/technologist | | | | | | | | | | | | X | X | X | | | | | | |
| Mental health provider | | | | | | | | | | | | | | | | X | X | X | X | |
| Nurse midwife | | | | | | | | | | X | X | | | | | | | | | |
| Nurse practitioner | | | | | | | | | X | X | X | | | | | | | | | |
| Nurse practitioner/midwife | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| Other | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Physician | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Physician assistant | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| RN ³⁰ | | | | | | | | | X | X | X | X | X | X | | | | | | |
| RN ³⁰ /LPN ²⁹ | | | | | | | | | | | | | | | X | X | X | X | X | |
| Providers seen (OPD)²⁸ | | | | | | | | | | | | | | | | | | | | |
| Resident/intern | | | | | | | X | X | X | X | X | X | X | X | | | | | | |
| Physician | | | | | | | | | | | | | | | X | X | X | X | X | |
| Staff physician | | | | | | | X | X | X | X | X | X | X | X | | | | | | |
| Other physician | | | | | | | X | X | X | X | X | X | X | X | | | | | | |
| Physician assistant | | | | | | | X | | X | X | X | X | X | X | X | X | X | X | X | |
| Physician assistant/nurse practitioner | | | | | | | | X | | | | | | | | | | | | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | | |
|---------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|----------------------------------------------------------------------------------------------------------------------|--------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | | |
| Nurse practitioner | | | | | | | X | | X | X | X | | | | | | | | | | |
| Nurse midwife | | | | | | | | | | X | X | | | | | | | | | | |
| Nurse practitioner/midwife | | | | | | | | | | | | X | X | X | X | X | X | X | X | | |
| Registered nurse | | | | | | | X | X | X | X | X | X | X | X | | | | | | RN was used in 1995 and later. | |
| Licensed practical nurse | | | | | | | X | X | X | X | X | X | X | X | | | | | | LPN was used in 1995 and later. | |
| RN ³⁰ /LPN ²⁹ | | | | | | | | | | | | | | | X | X | X | X | X | | |
| Medical assistant | | | | | | | | | X | | | | | | | | | | | | |
| Medical/nursing assistant | | | | | | | | | | X | X | X | X | X | | | | | | | |
| Medical technician/technologist | | | | | | | | | | | | X | X | X | | | | | | | |
| Mental health provider | | | | | | | | | | | | | | | | X | X | X | X | | |
| Nurse's aide | | | | | | | X | X | | | | | | | | | | | | | |
| Other | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Duration of this visit³¹ | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | In 1997, title was changed to "Time spent with physician." In 2006, title was changed to "Time spent with provider." | |
| Visit disposition | | | | | | | | | | | | | | | | | | | | | |
| No show | | | | | | | | | | | | | | | | X | | | | | |
| No show/left without being seen | | | | | | | | | | | | | | | | | | X | | In 2009 only. | |
| Refer to ER/admit to hospital | | | | | | | | | | | | | | | | | | X | X | X | |
| Left without being seen | | | | | | | | | | | | | | | | X | | | | | |
| No follow-up planned | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Return at specified time | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Return if needed, P.R.N. | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Telephone follow-up planned | X | X | X | X | X | X | X | X | | | X | X | X | X | X | X | | | | | |
| Referred to other physician/agency | X | X | X | X | X | X | X | X | | | X | X | X | X | X | X | X | X | X | In 1997, title was changed to "referred to other physician." | |
| Returned to referring physician | X | X | X | X | X | X | X | X | | | X | | | | | | | | | | |
| Admit to hospital | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | | | | | |
| Refer to emergency department | | | | | | | | | | | | | | | X | X | | | | | |
| Other | X | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| Laboratory test results | | | | | | | | | | | | | | | | | | | | | |
| Were the following laboratory tests drawn within 12 months of this visit? | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| Total cholesterol | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| High-density lipoprotein (HDL) | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| Low-density lipoprotein (LDL) | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| Triglycerides | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| HbA1c (Glycohemoglobin) | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| Fasting blood glucose | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| If yes, most recent results | | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | |
| Visit characteristics | | | | | | | | | | | | | | | | | | | |
| Imputed variables | | | | | | | | | | | | | | | | | | | |
| Patient date of visit | | | | | | | | X | X | X | | | | | | | | | |
| Patient birth year | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patient sex | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patient race | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Patient ethnicity | | | | | | | X | X | X | | | | | X | X | X | X | X | X |
| Referral | | | | | | X | X | X | X | | | | | | | | | | |
| Seen patient before | | | | | | X | X | X | X | | | | | X | X | X | X | X | X |
| If yes, for primary diagnosis? | | | | | | X | X | X | X | | | | | | | | | | |
| Past visits | | | | | | | | | | | | | | X | X | X | X | X | X |
| Disposition | | | | | | X | X | X | X | | | | | | | | | | |
| Duration | | | | | | X | X | X | X | | | | | | | | | | |
| Providers seen | | | | | | | | | X | | | | | | | | | | |
| Time spent with physician | | | | | | | | | | X | X | X | X | X | X | X | X | X | X |
| Lookback module³² | | | | | | | | | | | | | | | | | | | |
| Patient date of visit | | | | | | | | | | | | | | | | | | | X |
| Was the patient pregnant at the time of visit? | | | | | | | | | | | | | | | | | | | X |
| Does the patient smoke cigarettes? | | | | | | | | | | | | | | | | | | | X |
| Does the patient now have | | | | | | | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | | | X |
| Cerebrovascular disease/ history of stroke or transient ischemic attack (TIA) | | | | | | | | | | | | | | | | | | | X |
| Congestive heart failure (CHF) | | | | | | | | | | | | | | | | | | | X |
| Diabetes | | | | | | | | | | | | | | | | | | | X |
| Hypertension | | | | | | | | | | | | | | | | | | | X |
| Hyperlipidemia | | | | | | | | | | | | | | | | | | | X |
| Ischemic heart disease | | | | | | | | | | | | | | | | | | | X |
| Family history | | | | | | | | | | | | | | | | | | | |
| Does the patient have a family history of premature coronary heart disease (CHD), coronary artery disease (CAD), or ischemic heart disease (IHD), in a father, son, or brother under age 55? | | | | | | | | | | | | | | | | | | | X |
| Does the patient have a family history of premature coronary heart disease (CHD), coronary artery disease (CAD), or ischemic heart disease (IHD), in a mother, daughter, or sister under age 65? | | | | | | | | | | | | | | | | | | | X |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|--------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Vital signs | | | | | | | | | | | | | | | | | | | | |
| Blood pressure | | | | | | | | | | | | | | | | | | | | X |
| Height | | | | | | | | | | | | | | | | | | | | X |
| Weight | | | | | | | | | | | | | | | | | | | | X |
| Blood tests | | | | | | | | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | | | | X |
| Lipids/cholesterol | | | | | | | | | | | | | | | | | | | | X |
| HbA1c (Glycohemoglobin) | | | | | | | | | | | | | | | | | | | | X |
| Fasting blood glucose (FBG) | | | | | | | | | | | | | | | | | | | | X |
| Creatinine | | | | | | | | | | | | | | | | | | | | X |
| Potassium | | | | | | | | | | | | | | | | | | | | X |
| Sodium | | | | | | | | | | | | | | | | | | | | X |
| AST/ALT | | | | | | | | | | | | | | | | | | | | X |
| Basic metabolic panel | | | | | | | | | | | | | | | | | | | | X |
| Comprehensive metabolic panel (CMP) | | | | | | | | | | | | | | | | | | | | X |
| Health education/counseling | | | | | | | | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | | | | X |
| Diet/nutrition — Reduce fat/cholesterol | | | | | | | | | | | | | | | | | | | | X |
| Diet/nutrition — Reduce salt/sodium | | | | | | | | | | | | | | | | | | | | X |
| Weight or caloric reduction | | | | | | | | | | | | | | | | | | | | X |
| Exercise | | | | | | | | | | | | | | | | | | | | X |
| Smoking cessation | | | | | | | | | | | | | | | | | | | | X |
| Assessment and plan | | | | | | | | | | | | | | | | | | | | |
| None | | | | | | | | | | | | | | | | | | | | X |
| Blood pressure | | | | | | | | | | | | | | | | | | | | X |
| Cholesterol | | | | | | | | | | | | | | | | | | | | X |
| Blood glucose | | | | | | | | | | | | | | | | | | | | X |
| Referral | | | | | | | | | | | | | | | | | | | | X |
| Assessment and plan — Blood pressure | | | | | | | | | | | | | | | | | | | | |
| Controlled | | | | | | | | | | | | | | | | | | | | X |
| Elevated or uncontrolled | | | | | | | | | | | | | | | | | | | | X |
| Medication being titrated | | | | | | | | | | | | | | | | | | | | X |
| Ambulatory/home blood pressure monitoring normal | | | | | | | | | | | | | | | | | | | | X |
| Patient nonadherence | | | | | | | | | | | | | | | | | | | | X |
| Assessment and plan — Cholesterol | | | | | | | | | | | | | | | | | | | | |
| Controlled | | | | | | | | | | | | | | | | | | | | X |
| Elevated or uncontrolled | | | | | | | | | | | | | | | | | | | | X |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|--------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Medication being titrated | | | | | | | | | | | | | | | | | | | X | |
| Patient nonadherence | | | | | | | | | | | | | | | | | | | X | |
| Assessment and plan — Blood glucose | | | | | | | | | | | | | | | | | | | | |
| Controlled | | | | | | | | | | | | | | | | | | | X | |
| Elevated or uncontrolled | | | | | | | | | | | | | | | | | | | X | |
| Medication being titrated | | | | | | | | | | | | | | | | | | | X | |
| Patient nonadherence | | | | | | | | | | | | | | | | | | | X | |
| Assessment and plan — Referral | | | | | | | | | | | | | | | | | | | | |
| Nurse management | | | | | | | | | | | | | | | | | | | X | |
| Nutritionist | | | | | | | | | | | | | | | | | | | X | |
| Smoking-cessation program | | | | | | | | | | | | | | | | | | | X | |
| Weight loss program | | | | | | | | | | | | | | | | | | | X | |
| Other physician, including primary care provider | | | | | | | | | | | | | | | | | | | X | |
| Allergies or adverse reactions to medications | | | | | | | | | | | | | | | | | | | | |
| Is patient allergic to any medications? | | | | | | | | | | | | | | | | | | | X | |
| Has the patient had any adverse reactions to any medications (e.g., bleeding from aspirin)? | | | | | | | | | | | | | | | | | | | X | |
| Medications²⁵ | | | | | | | | | | | | | | | | | | | | |
| Were medications ordered/ provided? | | | | | | | | | | | | | | | | | | | X | |
| Number of medications ²⁶ | | | | | | | | | | | | | | | | | | | X | |
| Medications ²⁷ | | | | | | | | | | | | | | | | | | | 30 | |
| Drug entry name | | | | | | | | | | | | | | | | | | | X | |
| Generic name code | | | | | | | | | | | | | | | | | | | X | |
| Prescription status code | | | | | | | | | | | | | | | | | | | X | |
| Controlled substance code | | | | | | | | | | | | | | | | | | | X | |
| Therapeutic class | | | | | | | | | | | | | | | | | | | X | |
| Ingredient code (up to 5) | | | | | | | | | | | | | | | | | | | X | |
| Is this a new medication? | | | | | | | | | | | | | | | | | | | X | |
| Is this a continued medication? | | | | | | | | | | | | | | | | | | | X | |
| Was medication dosage same, increased, or decreased? | | | | | | | | | | | | | | | | | | | X | |
| Laboratory test results | | | | | | | | | | | | | | | | | | | | |
| Was blood for the following laboratory tests drawn on the day of the sampled visit or during the 15 months prior to the visit? | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|--------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | | | | | | | | |
| Total cholesterol | | | | | | | | | | | | | | | | | | | X | |
| High-density lipoprotein (HDL) | | | | | | | | | | | | | | | | | | | X | |
| Low-density lipoprotein (LDL) | | | | | | | | | | | | | | | | | | | X | |
| Triglycerides (TGS) | | | | | | | | | | | | | | | | | | | X | |
| HbA1c (Glycohemoglobin) | | | | | | | | | | | | | | | | | | | X | |
| Fasting blood glucose (FBG) | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | | Notes |
|------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|------|-----------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| Physician's specialty | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Patient visit weight | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Physician weight | | | | | | | | | | | | | | | X | X | X | X | X | Used to make provider-level estimates. |
| Geographical region | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Metropolitan statistical area (MSA) status | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | Not in 1989. |
| Patient code | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Physician code | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | |
| Race recode | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X | |
| Age recode | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Cause of injury recode | | | | | | | | | | X | X | X | X | X | | | X | X | X | |
| Physician's diagnosis recode | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Other diagnostic services recode | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Other procedure recode | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | |
| Intentionality of injury recode | | | | | | | | | | | X | X | X | X | X | X | X | X | X | |
| Age in days (patients under 1 year) | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | |
| Survey year | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| Who completed patient record form? | | | | | | | | | X | | X | X | X | X | X | X | X | X | X | Not in 1997. |
| Setting type | | | | | | | | | | | | X | X | X | X | X | X | X | X | |
| Masked sample design variables | | | | | | | | | | | | X | X | | | | | | | Not in 1999. |
| Masked, clustered design variables | | | | | | | | | | | | | | X | X | X | X | | | |
| Type of physician (M.D. or D.O.) | | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | In NAMCS only. |
| Type of practice | X | X | X | X | X | | | | | | | | | | | | | | | In NAMCS only. |
| Type of office setting | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | In NAMCS only. |
| Solo practice | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | In NAMCS only. |
| Employment status of physician | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | In NAMCS only. |
| Who owns office? | | | | | | | | | | X | X | X | X | X | X | X | X | X | X | In NAMCS only. |
| Is lab testing performed at this office? | | | | | | | | | | X | X | X | X | X | X | X | | X | X | In NAMCS only. |
| Does physician see patients in the office during the evening or on weekends? | | | | | | | | | | | | | | | X | X | X | X | X | In NAMCS only. Not in 2005. |
| Does physician make home visits? | | | | | | | | | | | | X | X | X | X | | | | | In NAMCS only. In 2005–06, "Does physician make home visits (including nursing homes)?" |
| Does physician make hospital visits? | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| Does physician make nursing home visits? | | | | | | | | | | | | | | | | X | X | X | X | In NAMCS only. |
| Does physician make other home visits? | | | | | | | | | | | | | | | | X | X | X | X | In NAMCS only. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| Does physician do telephone consults? | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| Does physician do internet/e-mail consults? | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only . In 2001 and 2002, "Does physician do e-mail consults?" |
| Computerized capabilities | | | | | | | | | | | | | | | | | | | | |
| Does this practice submit claims electronically? | | | | | | | | | | | | | | X | X | X | X | X | X | |
| Do you or your staff verify an individual patient's insurance eligibility electronically, with results returned immediately? | | | | | | | | | | | | | | | | | | X | X | |
| How do you electronically verify insurance eligibility? | | | | | | | | | | | | | | | | | | | X | |
| When you electronically verify insurance eligibility, do you usually get results back before the patient leaves the office? | | | | | | | | | | | | | | | | | | | X | |
| Does this practice use electronic medical records? | | | | | | | | | | | | | | X | X | X | X | X | X | In 2010–12, "Does your practice use an electronic medical record (EMR) or electronic health record (EHR) system?" |
| In which year did your practice install your EHR/EMR system? | | | | | | | | | | | | | | | | | X | X | X | 2009 "What year did you buy or last upgrade your EMR/EHR system?" |
| What is the name of your practice's current EHR/EMR system? | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |
| Is your EHR/EMR system certified by the "Certification Commission for Healthcare Information Technology" (CCHIT)? | | | | | | | | | | | | | | | | | X | | | Not in 2010. |
| At your practice, are there plans for installing a new EHR/EMR system within the next 18 months? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. In 2006, 2007–08, 2009, "Are there plans for installing a new EMR/EHR system or replacing the current system within the next three years?" |
| Medicare and Medicaid offer incentives to practices that demonstrate "meaningful use of health IT." At your practice, are there plans to apply for these incentive payments? | | | | | | | | | | | | | | | | | | | X | |
| When did you first apply? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for recording patient demographic information? | | | | | | | | | | | | | | | X | X | X | X | X | In 2010–12, "Does your practice have a computerized system for recording patient history and demographic information?" |
| If practice has a computerized system for patient demographic information, does it include patient problem lists? | | | | | | | | | | | | | | | | X | X | X | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| Does your practice have a computerized system for recording and charting vital signs? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for recording smoking status? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for recording clinical notes? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. |
| If practice has a computerized system for clinical notes, do they include a comprehensive list of the patient's medications and allergies? | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. In 2010, medication and allergies asked separately. |
| If practice has a computerized system for clinical notes, do they include medical history and follow-up notes? | | | | | | | | | | | | | | | X | X | X | | | Not in 2005 and 2010. |
| Does your practice's electronic medical record system include nurses' notes? | | | | | | | | | | | | | | | X | | | | | Not in 2006. |
| Does your practice's electronic medical record system include physicians' notes? | | | | | | | | | | | | | | | X | | | | | Not in 2006. |
| Does your practice have a computerized system for orders for prescriptions? | | | | | | | | | | | | | | | X | X | X | X | X | |
| If practice has a computerized system for prescriptions, are warnings of drug interactions or contraindications provided? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. |
| If practice has a computerized system for orders for prescriptions, are prescriptions sent electronically to the pharmacy? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. |
| When orders for prescriptions are submitted electronically, are they submitted by the prescribing practitioner, or by someone else? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for providing reminders for guideline-based interventions or screening tests? | | | | | | | | | | | | | | | X | X | X | X | X | In 2006, this question was a subquestion under "clinical notes." |
| Does your practice have a computerized system for ordering lab tests? | | | | | | | | | | | | | | | X | X | X | X | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|-----------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| If your practice has a computerized system for orders for lab tests, are orders sent electronically? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. |
| When orders for lab tests are submitted electronically, are they submitted by the prescribing practitioner or by someone else? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for providing standard order sets related to a particular condition or procedure? | | | | | | | | | | | | | | | | | | X | X | |
| Does your practice have a computerized system for viewing lab results? | | | | | | | | | | | | | | | X | X | X | | X | |
| Can the EHR/EMR automatically graph a specific patient's lab results over time? | | | | | | | | | | | | | | | | | | | X | |
| If your practice has a computerized system for viewing lab results are out-of-range levels highlighted? | | | | | | | | | | | | | | | X | X | X | | | Not in 2005. |
| If your practice has a computerized system for viewing lab results, are results incorporated in EMR/EHR? | | | | | | | | | | | | | | | | | X | X | | Not in 2009. |
| Does your practice have a computerized system for viewing imaging results? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. |
| If your practice has a computerized system for viewing imaging results are electronic images returned? | | | | | | | | | | | | | | | X | X | X | | | Not in 2005 and 2010. |
| Does your practice have a computerized system for viewing data on quality-of-care measures? | | | | | | | | | | | | | | | | | | X | X | |
| Does your practice have a computerized system for reporting clinical quality measures to federal or state agencies (such as CMS or Medicaid)? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for generating lists of patients with particular health conditions? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for electronic reporting to immunization registries? | | | | | | | | | | | | | | | | | X | X | X | Not in 2009. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| Is the electronic reporting to immunization registries reported in standards specified by Meaningful Use criteria? | | | | | | | | | | | | | | | | | | | X | |
| Does your practice have a computerized system for public health reporting? | | | | | | | | | | | | | | | X | X | X | X | | Not in 2010. |
| If practice has a computerized system for public health reporting, are notifiable diseases sent electronically? | | | | | | | | | | | | | | | X | X | X | X | | Not in 2005, 2007, and 2010. |
| Does your practice have a computerized system for providing patients with clinical summaries for each visit? | | | | | | | | | | | | | | | | | | X | X | |
| Does your practice have a computerized system for exchanging secure messages with patients? | | | | | | | | | | | | | | | | | | X | X | |
| Does your practice have a computerized system for providing patients with an electronic copy of their health information? | | | | | | | | | | | | | | | | | | | X | |
| At your practice, if orders for prescriptions or lab tests are submitted electronically, who submits them? | | | | | | | | | | | | | | | | | X | X | | Not in 2009. |
| Does your practice exchange patient clinical summaries electronically with any other providers? | | | | | | | | | | | | | | | | | | X | X | In 2012, “Do you share any patient health information electronically (not fax) with other providers, including hospitals, ambulatory providers, or labs?” |
| How does your practice electronically send or receive patient clinical summaries? | | | | | | | | | | | | | | | | | | X | X | In 2012, “How do you electronically share patient health information?” |
| Which types of health data (Lab results, Imaging reports, Patient problem lists, Medication lists, Medication allergy lists) do you share electronically (not fax) with the specified health care providers? | | | | | | | | | | | | | | | | | | | X | |
| Do you share any of the specified types of health data using a “Summary Care Record”? | | | | | | | | | | | | | | | | | | | X | |
| When you refer your patient to a provider outside of your office or group, do you receive a report back from the other provider with results of the consultation? | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|----------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| When you refer your patient to a provider outside of your office or group, do you receive it electronically (not fax)? | | | | | | | | | | | | | | | | | | | X | |
| When you see a patient referred to you by a provider outside of your office or group, do you receive notification of both the patient’s history and reason for consultation? | | | | | | | | | | | | | | | | | | | X | |
| When you see a patient referred to you by a provider outside of your office or group, do you receive them electronically (not fax)? | | | | | | | | | | | | | | | | | | | X | |
| When your patient is discharged from an inpatient setting, do you receive all of the information you need to continue managing the patient? | | | | | | | | | | | | | | | | | | | X | |
| Is the information timely, available when needed? | | | | | | | | | | | | | | | | | | | X | |
| Do you receive it electronically (not fax)? | | | | | | | | | | | | | | | | | | | X | |
| Are there any features of your system that you do NOT use or have turned off? | | | | | | | | | | | | | | | | | X | | | Not in 2010. |
| Does your practice have plans to apply for Medicare or Medicaid incentive payments for meaningful use of health IT? | | | | | | | | | | | | | | | | | X | X | | Not in 2009. |
| In which year does your practice expect to apply for the meaningful use payments? | | | | | | | | | | | | | | | | | X | X | | Not in 2009. |
| What incentive payment does your practice plan to apply for? | | | | | | | | | | | | | | | | | X | | | Not in 2009. |
| Practice revenue and contracts with managed care plans | | | | | | | | | | | | | | | | | | | | |
| What percent of your practice revenue from patient care comes from Medicare? ^{23,4} | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| What percent of your practice revenue from patient care comes from Medicaid? ^{23,4} | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| What percent of your practice revenue from patient care comes from private insurance? ^{23,4} | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-----------------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------------------------------------------------------------------------------------------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| What percent of your practice revenue from patient care comes from patient payments? ³⁴ | | | | | | | | | | | | X | X | | X | X | X | X | X | Not in 2005. In NAMCS only. |
| What percent of your practice revenue from patient care comes from other sources? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| How many managed care contracts does this practice have such as HMOs, PPOs, IPAs, and point-of-service plans? ^{5,7,6,34} | | | | | | | | | | | | X | X | X | X | X | X | X | | In NAMCS only. |
| What percent of the patient care revenue received by this practice comes from these managed care contracts? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| Is your productivity (e.g. number of cases seen per time period) taken into account for your patient care compensation? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| Is patient satisfaction taken into account for your patient care compensation? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| Is quality of care taken into account for your patient care compensation? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| Is practice profiling taken into account for your patient care compensation? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| Are performance measures on your practice available to the public? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| What percent of your practice revenue is based on bonuses, returned withholds, or other performance-based payments? | | | | | | | | | | | | | | | X | X | | | | Not in 2005. In NAMCS only. |
| What percent of your patient care revenue comes from usual, customary, and reasonable fee-for-service method of payment? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. In NAMCS only. In 2012, what percent of your patient care revenue comes from fee-for-service? |
| What percent of your patient care revenue comes from usual, customary, and discounted fee-for-service method of payment? | | | | | | | | | | | | | | | X | X | X | X | | Not in 2005. In NAMCS only. |
| What percent of your patient care revenue comes from capitation method of payment? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. In NAMCS only. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|-----------------------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| What percent of your patient care revenue comes from case rates method of payment? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. In NAMCS only. |
| What percent of your patient care revenue comes from other method of payment? | | | | | | | | | | | | | | | X | X | X | X | X | Not in 2005. In NAMCS only. |
| Are you currently accepting new patients into your practice? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept capitated private insurance? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept noncapitated private insurance? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept Medicare? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept Medicaid? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept workers compensation? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept self-pay? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| From those new patients, do you accept no charge? ³⁴ | | | | | | | | | | | | X | X | X | X | X | X | X | X | In NAMCS only. |
| Which methods best describe your basic compensation? | | | | | | | | | | | | | | | | | | | X | In NAMCS only. |
| Which factors are considered in determining your compensation? | | | | | | | | | | | | | | | | | | | X | In NAMCS only. |
| What percent of your daily visits are same-day appointments? | | | | | | | | | | | | | | | | | | X | X | In NAMCS only. |
| Does your practice set time aside for same-day appointments? | | | | | | | | | | | | | | | | | | X | X | In NAMCS only. |
| How long does it take to get an appointment for a routine medical exam? | | | | | | | | | | | | | | | | | | X | X | In NAMCS only. |
| In the past 12 months, has your practice experienced difficulty in referring patients with Medicaid? | | | | | | | | | | | | | | | X | X | | | | In NAMCS only. |
| In the past 12 months, has your practice experienced difficulty in referring patients with Medicare? | | | | | | | | | | | | | | | X | X | | | | In NAMCS only. |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|---------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|----------------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| In the past 12 months, has your practice experienced difficulty in referring patients with private insurance? | | | | | | | | | | | | | | X | X | | | | | In NAMCS only. |
| In the past 12 months, has your practice experienced difficulty in referring patients that are uninsured? | | | | | | | | | | | | | | X | X | | | | | In NAMCS only. |
| Supplemental questions | | | | | | | | | | | | | | | | | | | | |
| Cervical cancer screening | | | | | | | | | | | | | | | | | | | | |
| Does your practice currently recommend the human papillomavirus (HPV) vaccine? | | | | | | | | | | | | | | | | | X | | | |
| Does your practice plan on recommending the HPV vaccine? | | | | | | | | | | | | | | | | | X | | | |
| Which HPV vaccine does your practice recommend using? | | | | | | | | | | | | | | | | | X | | | |
| For what age group does your practice recommend patients get the HPV vaccine? | | | | | | | | | | | | | | | | | X | | | |
| If your practice does not recommend the HPV vaccine, indicate the reasons why | | | | | | | | | | | | | | | | | X | | | |
| Do you offer any type of cervical cancer screening? | | | | | | | | | | | | | | | X | X | X | | | Not in 2005. |
| Asthma | | | | | | | | | | | | | | | | | | | | |
| Do you see any patients for whom you provide asthma diagnosis, education, and/or ongoing clinical management? | | | | | | | | | | | | | | | | | | | X | |
| Complementary and alternative medicine (CAM) | | | | | | | | | | | | | | | | | | | | |
| During the past 12 months, did you recommend any of the following therapies or practices to patients? | | | | | | | | | | | | | | | | | | | X | |
| (1) Herbs and other nonvitamin supplements | | | | | | | | | | | | | | | | | | | X | |
| (2) Mind-body therapies such as guided imagery, meditation, and progressive muscle relaxation | | | | | | | | | | | | | | | | | | | X | |
| (3) Chiropractic or osteopathic manipulation | | | | | | | | | | | | | | | | | | | X | |
| (4) Acupuncture | | | | | | | | | | | | | | | | | | | X | |
| (5) Naturopathic treatment | | | | | | | | | | | | | | | | | | | X | |
| (6) Massage therapy | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-----------------------------------------------------------------------------------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| (7) Homeopathic treatment | | | | | | | | | | | | | | | | | | | X | |
| (8) Biofeedback or hypnosis | | | | | | | | | | | | | | | | | | | X | |
| (9) Yoga | | | | | | | | | | | | | | | | | | | X | |
| During the past 12 months, how often did (Therapy) arise in conversation between you and your patients? | | | | | | | | | | | | | | | | | | | X | |
| Thinking back to these conversations, who brought up the topic of (Therapy) most often: your patients, you, or ABOUT EQUAL? | | | | | | | | | | | | | | | | | | | X | |
| Did you recommend (Therapy) to patients for... | | | | | | | | | | | | | | | | | | | X | |
| Physical symptoms, such as pain? | | | | | | | | | | | | | | | | | | | X | |
| Emotional symptoms, such as stress or anxiety? | | | | | | | | | | | | | | | | | | | X | |
| General health maintenance and well-being? | | | | | | | | | | | | | | | | | | | X | |
| Because the patient asked for it? | | | | | | | | | | | | | | | | | | | X | |
| Other reasons? | | | | | | | | | | | | | | | | | | | X | |
| Which of the following factors influenced your decision to recommend (Therapy) to patients? | | | | | | | | | | | | | | | | | | | X | |
| Personal experience | | | | | | | | | | | | | | | | | | | X | |
| Patient reports | | | | | | | | | | | | | | | | | | | X | |
| Colleague recommendation | | | | | | | | | | | | | | | | | | | X | |
| Evidence in peer-reviewed literature | | | | | | | | | | | | | | | | | | | X | |
| Other reasons | | | | | | | | | | | | | | | | | | | X | |
| Which of the following factors prevented you from recommending (Therapy) to patients? | | | | | | | | | | | | | | | | | | | X | |
| Limited health insurance coverage | | | | | | | | | | | | | | | | | | | X | |
| Lack of affordability for the patient | | | | | | | | | | | | | | | | | | | X | |
| Lack of information sources | | | | | | | | | | | | | | | | | | | X | |
| Lack of places/providers to refer patients | | | | | | | | | | | | | | | | | | | X | |

NAMCS and NHAMCS–OPD Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | | | | | | | Notes | |
|-----------------------------------------------------|----------------|---------|------|---------|------|---------|---------|----------------------|---------|---------|-----------|-------------------|------|---------|---------|---------|---------|------|-------|------|
| | 1973–76 | 1977–78 | 1979 | 1980–81 | 1985 | 1989–90 | 1991–92 | 1993–94 ² | 1995–96 | 1997–98 | 1999–2000 | 2001 ³ | 2002 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Practice characteristics³³ | | | | | | | | | | | | | | | | | | | | |
| Patient’s lack of interest or openness to (Therapy) | | | | | | | | | | | | | | | | | | | X | |
| Lack of perceived benefit | | | | | | | | | | | | | | | | | | | X | |
| Other | | | | | | | | | | | | | | | | | | | X | |

¹The Outpatient Department (OPD) component of the National Hospital Ambulatory Medical Care Survey (NHAMCS) is combined with the National Ambulatory Medical Care Survey (NAMCS) because the survey content is almost identical in each year. NHAMCS was initiated in 1992.

²In 1993–94, only six tests or therapies were listed as check boxes, but space to write-in eight tests, therapies, ambulatory procedures, or surgeries was provided. A separate item for counseling or education and medication or injections was provided.

³In 2001, two different versions of the survey instrument were used (long and short Patient Record forms). Only those variables available on the public-use file are shown; additional variables may be available using NCHS’ Research Data Center (RDC).

⁴Patient’s ZIP code is not available on public use file; must access via NCHS’ Research Data Center.

⁵HMO is health maintenance organization.

⁶PA is independent practice association.

⁷PPO is paid provider organization.

⁸SCHIP is State Children’s Health Insurance Program (now CHIP).

⁹CHF is congestive heart failure.

¹⁰COPD is chronic obstructive pulmonary disease.

¹¹HIV is human immunodeficiency virus.

¹²AIDS is acquired immune deficiency.

¹³ADD is attention deficit disorder.

¹⁴PSA is prostate-specific antigen.

¹⁵CAT is computed axial tomography.

¹⁶MRI is magnetic resonance imaging.

¹⁷CT is computed tomography.

¹⁸PET is positron-emission tomography.

¹⁹EKG is electrocardiogram.

²⁰ECG is electrocardiogram.

²¹HPV is human papilloma virus.

²²DNA is deoxyribonucleic acid.

²³PAP is Papanicolaou test.

²⁴TB is tuberculosis.

²⁵From 1980–91, a separate drug file was created. Each medication on each Patient Record form was equal to a row on this file.

²⁶The number of medications recorded on the Patient Record form by the respondent.

²⁷The maximum number of medications that could have been reported on the Patient Record form.

²⁸The listed categories of “providers seen” can differ on the OPD survey, as compared with the NAMCS.

²⁹LPN is licensed practical nurse.

³⁰RN is registered nurse.

³¹“Duration of this visit” or “time spent with physician/provider” is not collected on the OPD survey.

³²The Lookback module is given to selected providers who treat heart disease and stroke. The module collects clinical data to evaluate the quality of care for these patients.

³³Refer to the ED section for the hospital characteristics as related to the OPD survey.

³⁴For 2001 and 2002, questions on practice revenue are not available on the public-use file; must access via NCHS’ Research Data Center

Survey Content for NHAMCS-ED

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | Notes |
|-------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|------|-----------------------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Visit characteristics | | | | | | | | | | | | | |
| Patient information | | | | | | | | | | | | | |
| Date of visit | X | X | X | X | X | X | X | X | X | X | X | X | |
| Date of arrival | X | X | X | X | X | | | | | X | X | X | In 1992–2000, “Date of visit.” Month, year, and day of week are available on public use file. |
| Date seen by MD/DO/PA/NP ² | | | | | | | | | | X | X | X | |
| Date of ED discharge ² | | | | | | | | | | X | X | X | |
| Time of arrival | | | X | X | X | X | X | X | X | X | X | X | In 1995–2000, “Time of visit” was asked. |
| Time seen by MD/DO/PA/NP ² | | | | X | X | | X | X | X | X | X | X | In 1997–2008, “Time seen by physician” was asked. |
| Time of ED discharge ² | | | | | | X | X | X | X | X | X | X | In 2001–04, “Discharge” was asked. |
| Waiting time to see physician | | | | X | X | | X | X | X | X | X | X | Calculated from date and time of ED arrival, and time seen by MD/DO/PA/NP. |
| Was ED discharge more than 24 hours after arrival? | | | | | | X | X | X | X | | | | |
| Not seen by physician | | | | X | X | X | X | X | X | | | | In 1997–2000, “not seen by physician or unknown” was used. |
| Length of visit | | | | | | X | X | X | X | X | X | X | Calculated from date and time of ED arrival, and time seen by MD/DO/PA/NP. |
| ZIP code ² | | | X | | X | X | X | X | X | X | X | X | |
| Residence | | | | | | | | | | | | | |
| Private residence | | | | | | | | X | X | X | X | X | |
| Nursing home | | | | | | | | X | X | X | X | X | |
| Other institution | | | | | | | | X | X | | | | |
| Other institution/residence | | | | | | | | | | X | X | X | |
| Other residence | | | | | | | | X | X | | | | |
| Homeless | | | | | | | | X | X | X | X | X | |
| Unknown | | | | | | | | X | X | X | X | X | |
| Does patient reside in a nursing home or other institution? | | | | | | X | X | | | | | | |
| Age | X | X | X | X | X | X | X | X | X | X | X | X | |
| Sex | X | X | X | X | X | X | X | X | X | X | X | X | |
| Is patient pregnant? | | | | X | X | | | | | | | | |
| Race | | | | | | | | | | | | | Prior to 1999, only one race could be selected. |
| White | X | X | X | X | X | X | X | X | X | X | X | X | |
| Black | X | X | X | X | | | | | | | | | |
| Black/African American | | | | | X | X | X | X | X | X | X | X | |
| Asian | | | | | X | X | X | X | X | X | X | X | |
| Asian or Pacific Islander | X | X | X | X | | | | | | | | | |
| Native Hawaiian or Other Pacific Islander | | | | | X | X | X | X | X | X | X | X | |
| American Indian/Eskimo/Aleut | X | X | X | X | | | | | | | | | |
| American Indian or Alaska Native | | | | | X | X | X | X | X | X | X | X | |
| Ethnicity | | | | | | | | | | | | | |
| Hispanic | X | | | | | | | | | | | | |
| Hispanic origin | | X | X | X | | | | | | | | | |
| Hispanic or Latino | | | | | X | X | X | X | X | X | X | X | |
| Not Hispanic | X | X | X | X | | | | | | | | | |
| Not Hispanic or Latino | | | | | X | X | X | X | X | X | X | X | |
| Does patient smoke cigarettes? | | | X | | | | | | | | | | |
| Mode of arrival | | | | | | | | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|--------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|--------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Ambulance (air/ground) | | | | X | X | | X | X | X | X | X | X | |
| Personal transportation | | | | | | | | | X | | | | |
| Public service (nonambulance, e.g., police, social services) | | | | X | X | | X | X | X | | | | |
| Walk-in | | | | X | X | | X | X | | | | | |
| Unknown | | | | X | X | | X | X | X | | | | |
| Expected source(s) of payment for visit | | | | | | | | | | | | | |
| Preferred provider option | | | X | | | | | | | | | | |
| Insured, fee-for-service | | | X | | | | | | | | | | |
| HMO/other prepaid ³ | X | X | X | | | | | | | | | | |
| Self-pay | X | X | X | X | X | X | X | X | X | X | X | X | In 1992–94, “patient paid” was used. |
| No charge | X | X | X | X | X | | | | | | | | |
| No charge/charity | | | | | | X | X | X | X | X | X | X | |
| Other insurance | | | X | | | | | | | | | | |
| Private/commercial | X | X | | | | | | | | | | | |
| Other government | X | X | | | | | | | | | | | |
| Blue Cross/Blue Shield | | | X | | | | | | | | | | |
| Other private insurance | | | X | | | | | | | | | | |
| Private insurance | | | | X | X | X | X | X | X | X | X | X | |
| Medicare | X | X | X | X | X | X | X | X | X | X | X | X | |
| Medicaid | X | X | X | X | X | | | | | | | | |
| Medicaid/CHIP ⁴ | | | | | | X | X | X | X | X | X | X | In 2010, “Medicaid or CHIP/SCHIP.” In 2011–12, “Medicaid or CHIP.” |
| Worker’s compensation | | | X | X | X | X | X | X | X | X | X | X | |
| Other | X | X | X | X | X | X | X | X | X | X | X | X | |
| Unknown | | | X | X | X | X | X | X | X | X | X | X | |
| Does patient belong to an HMO ³ | | | | X | X | | | | | | | | |
| Vital signs | | | | | | | | | | | | | |
| Temperature | | | | | | X | X | X | X | X | X | X | Actual measurements recorded. |
| Heart rate | | | | | | | | | X | X | X | X | Actual measurements recorded. |
| Pulse | | | | | | X | X | X | | | | | Actual measurements recorded. |
| Pulse oximetry | | | | | | | | | X | X | X | X | Actual measurements recorded. |
| Blood pressure | | | | | | X | X | X | X | X | X | X | Actual measurements recorded. |
| Respiratory rate | | | | | | | | | X | X | X | X | Actual measurements recorded. |
| Triage | | | | | | | | | | | | | |
| Glasgow coma scale | | | | | | | | | | X | X | | Actual measurements recorded. |
| Triage level | | | | | | | | | | X | X | X | Actual measurements recorded. |
| Pain scale | | | | | | | | | | X | X | X | Actual measurements recorded. |
| On oxygen | | | | | | | | | | X | X | X | Actual measurements recorded. In 2011–12, “On oxygen on arrival.” |
| Patient oriented x 3 | | | | | | | X | X | X | | | | |
| Immediacy with which patient should be seen | | | | | | X | X | X | X | | | | |
| Immediate | | | | | | | | X | X | | | | |
| 1–14 minutes | | | | | | | | X | X | | | | |
| Less than 15 minutes | | | | X | X | X | X | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-------------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|--------------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| 15–60 minutes | | | | X | X | X | X | X | X | | | | |
| More than 1 hour–2 hours | | | | X | X | X | X | X | X | | | | |
| More than 2 hours–24 hours | | | | X | X | X | X | X | X | | | | |
| Unknown/no triage | | | | X | X | X | X | | | | | | |
| No triage | | | | | | | | X | X | | | | |
| Unknown | | | | | | | | X | X | | | | |
| Presenting level of pain | | | | X | X | | X | X | X | | | | |
| None | | | | X | X | | X | X | X | | | | |
| Mild | | | | X | X | | X | X | X | | | | |
| Moderate | | | | X | X | | X | X | X | | | | |
| Severe | | | | X | X | | X | X | X | | | | |
| Unknown | | | | X | X | | X | X | X | | | | |
| Urgency of visit | | | | | | | | | | | | | |
| Urgent/emergent | X | X | X | | | | | | | | | | |
| Nonurgent | X | X | X | | | | | | | | | | |
| Previous care | | | | | | | | | | | | | |
| Has patient been seen in this ED within the last 72 hours? | | | | | | X | X | X | X | X | X | X | In 2012, "Has patient been seen in this ED within the last 72 hours and discharged?" |
| Has patient been discharged from any hospital within the last 7 days? | | | | | | | | X | X | X | X | | |
| How many times has patient been seen in this ED within the last 12 months? | | | | | | | | | | | X | | |
| Patient reason for visit | | | | | | | | | | | | | |
| Reason for visit (verbatim text) | X | X | X | X | X | X | X | X | X | X | X | X | Up to three reasons collected and coded to Reason for Visit Classification. |
| Major reason for visit | | | | | | | | | | | | | |
| Injury, first visit | X | | | | | | | | | | | | |
| Injury, follow-up | X | | | | | | | | | | | | |
| Illness, first visit | X | | | | | | | | | | | | |
| Illness, follow-up | X | | | | | | | | | | | | |
| Other reason | X | | | | | | | | | | | | |
| Episode of care | | | | | | | | | | | | | |
| Initial visit for problem | | | | | | X | X | | X | X | X | X | Starting in 2011, "Initial visit to this ED for problem." |
| Follow-up visit for problem | | | | | | X | X | | X | X | X | X | Starting in 2011, "Follow-up visit to this ED for problem." |
| Unknown | | | | | | X | X | | X | X | X | X | |
| Injury, poisoning, or adverse effect | | | | | | | | | | | | | |
| Is this visit related to an injury, or poisoning, or adverse effect of medical treatment? | | | | | | X | X | X | X | X | X | X | |
| Yes | | | | | | X | X | X | X | X | X | | |
| Yes, injury/trauma | | | | | | | | | | | | X | |
| Yes, poisoning | | | | | | | | | | | | X | |
| Yes, adverse effect of medical treatment | | | | | | | | | | | | X | |
| No | | | | | | X | X | X | X | X | X | X | |
| Unknown | | | | | | | | | | | | X | |
| Is this visit related to injury or poisoning? | | | | X | X | | | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-----------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Is this visit injury related? | | | X | | | | | | | | | | |
| Is injury/poisoning intentional? | | | | | | | | | | | | | In 1997–2000, “Is this injury intentional?” |
| Yes (self-inflicted) | | | | X | X | X | X | X | X | X | X | X | |
| Yes (assault) | | | | X | X | X | X | X | X | X | X | X | |
| No, unintentional | | | | X | X | X | X | X | X | X | X | X | |
| Unknown | | | | X | X | X | X | X | X | X | X | X | |
| Is this visit work related? | | | | | | | X | X | | | | | |
| Is this injury work related? | | | X | X | X | X | | | | | | | In 2001–2002, “Is this injury/poisoning work related?” was used. |
| Is this visit related to alcohol use? | | | | | | | | | | | | | |
| Yes, patient’s use | | | | | | X | X | | | | | | |
| Yes, other person’s use | | | | | | X | X | | | | | | |
| No | | | | | | X | X | | | | | | |
| Unknown | | | | | | X | X | | | | | | |
| Is this visit alcohol- or drug-related? | | | | | | | | | | | | | In 1992, “Is problem alcohol- or drug-related?” |
| Alcohol-related | X | X | X | | | | | | | | | | |
| Drug-related | X | X | X | | | | | | | | | | |
| Both | X | X | X | | | | | | | | | | |
| Neither | X | X | X | | | | | | | | | | |
| Unknown | | X | X | | | | | | | | | | |
| Did a firearm produce the injury? | | | X | | | | | | | | | | |
| Is this injury violence-related? | | | | | | | | | | | | | |
| No | | | X | | | | | | | | | | |
| Yes (suicide/suicide attempt) | | | X | | | | | | | | | | |
| Yes (interpersonal violence/assault) | | | X | | | | | | | | | | |
| If yes (interpersonal violence/assault), person who caused the injury is the patient’s: | | | X | | | | | | | | | | |
| Spouse | | | X | | | | | | | | | | |
| Other intimate partner | | | X | | | | | | | | | | |
| Parent | | | X | | | | | | | | | | |
| Other family | | | X | | | | | | | | | | |
| Caretaker | | | X | | | | | | | | | | |
| Friend/acquaintance | | | X | | | | | | | | | | |
| Stranger | | | X | | | | | | | | | | |
| Unknown | | | X | | | | | | | | | | |
| Other | | | X | | | | | | | | | | |
| Is this visit related to an adverse-drug-event? | | | | | | X | | | | | | | |
| If yes, name of drug (up to 2) | | | | | | X | | | | | | | |
| Injury/poisoning place of occurrence | | | | | | | | | | | | | |
| Work | | X | | | | | | | | | | | |
| Home | | X | X | | | | | | | | | | |
| Residence | | | | X | X | | | | | | | | |
| Recreation/sports area | | | | X | X | | | | | | | | |
| Sports or athletics area | | | X | | | | | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Street or highway | | X | X | X | X | | | | | | | | |
| School/daycare | | X | | | | | | | | | | | |
| School | | | X | X | X | | | | | | | | |
| Other public building | | | | X | X | | | | | | | | |
| Industrial places | | | | X | X | | | | | | | | |
| Other | | X | X | X | X | | | | | | | | In 1993–96, "Other (specify)" |
| Unknown | | | X | X | X | | | | | | | | |
| Cause of injury, poisoning, or adverse effect (ICD–9–CM codes) | X | X | X | X | X | X | X | X | X | X | X | X | In 1992–2000, "Cause of injury". |
| Cause of injury, poisoning, or adverse effect (verbatim text) | X | X | X | X | X | X | X | X | X | X | X | X | In 1992–2000, "Cause of injury". |
| Physician's diagnosis | | | | | | | | | | | | | |
| Diagnosis (verbatim text) | X | X | X | X | X | X | X | X | X | X | X | X | Up to three diagnoses could be entered. Coded to ICD-9-CM. |
| Is diagnosis probable, questionable, or rule out? | | | | X | X | X | X | X | X | X | X | X | |
| Does patient have | | | | | | | | | | | | | |
| Cancer | | | | | | | | | | | | X | |
| Cerebrovascular disease/history of stroke or transient ischemic attack (TIA) | | | | | | | | | | X | X | X | In 2009–10, "Cerebrovascular disease/History of stroke." |
| Chronic obstructive pulmonary disease (COPD) | | | | | | | | | | | | X | |
| Condition requiring dialysis | | | | | | | | | | X | X | X | |
| Congestive heart failure | | | | | | | | | | X | X | X | |
| Dementia | | | | | | | | | | | | X | |
| Depression | | | X | | | | | | | | | | |
| Diabetes | | | | | | | | | | X | X | X | |
| History of heart attack | | | | | | | | | | | | X | |
| History of pulmonary embolism or deep vein thrombosis (DVT) | | | | | | | | | | | | X | |
| HIV ⁵ | | | | | | | | | | X | X | X | In 2012, "HIV infection/AIDS." ^{5,6} |
| None of the above | | | | | | | | | | X | X | X | |
| Services ordered or provided | | | | | | | | | | | | | |
| Examinations | | | | | | | | | | | | | |
| Medical screening exam | | | | | | X | X | | | | | | |
| Mental status exam | X | | X | X | X | X | X | | | | | | |
| Blood tests | | | | | | | | | | | | | |
| Arterial blood gases | | | | | | | | X | X | X | X | X | |
| Blood alcohol concentration (BAC) | | | X | X | X | X | X | X | X | X | X | X | |
| Blood culture | | | | | | X | X | | X | X | X | X | |
| BNP (brain natriuretic peptide) | | | | | | | | | | | | X | |
| BUN ⁷ | | | | | | X | X | | | | | | |
| BUN/creatinine ⁷ | | | | | | | | X | X | X | X | X | |
| Cardiac enzymes | | | | | | | | X | X | X | X | X | |
| CBC (complete blood count) | | | | X | X | X | X | X | X | X | X | X | |
| Cholesterol | | | | | | X | | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|----------------------------------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Creatinine | | | | | | X | X | | | | | | |
| D-dimer | | | | | | | | | | | | X | |
| Electrolytes | | | | | | | X | X | X | X | X | X | |
| Glucose | | | | | | X | X | X | X | X | X | X | |
| HbA1c (Glycohemoglobin) | | | | | | X | X | | | | | | |
| Lactate | | | | | | | | | | | | X | |
| Lipids/cholesterol | | | | | | | X | | | | | | |
| Liver function tests | | | | | | | | X | X | X | X | X | |
| Other blood test | X | | X | X | X | X | X | X | X | X | X | X | In 2001–02, “other blood chemistry” was used. |
| Other STD test ⁸ | | | | X | X | | | | | | | | |
| Prothrombin time/INR | | | | | | | | | X | X | X | X | |
| Other tests | | | | | | | | | | | | | |
| Blood pressure | X | X | X | X | X | X | X | X | X | X | X | X | Starting in 2001, actual measurements recorded. |
| Cardiac monitor | | | X | X | X | X | X | X | X | X | X | X | |
| Cervical/urethral culture | | | | | | X | X | | | | | | |
| EEG (electroencephalogram) | | | | | | X | X | | | | | | |
| EKG/ECG ^{9,10} | | | | | | X | X | X | X | X | X | X | |
| EKG ⁹ | X | X | X | X | X | | | | | | | | |
| HIV serology ⁵ | X | X | X | X | X | X | X | X | | | X | X | Starting in 2009, “HIV test.” |
| Other | X | X | X | X | X | | | X | X | X | | | In 2001–02, “Other lab test” was used. Starting in 2003, “other test/service” was used. |
| Other diagnostic services | X | X | X | X | X | | | | | | X | X | |
| Pregnancy test | | | X | X | X | X | X | X | | | X | X | Starting in 2010, “Pregnancy/HCG test.” |
| Pulse oximetry | | | X | X | X | X | X | X | | | | | 2006 includes pulse oximetry percentage. |
| Rapid flu/influenza test | | | | | | | | | X | | | | |
| Influenza test | | | | | | | | | | X | X | X | |
| Stool culture | | | | | | X | X | | | | | | |
| Throat/rapid strep test | | | | | | X | X | | | | | | |
| Total number of diagnostic/screening services ordered or provided | | | | X | X | X | X | X | X | X | X | X | In 1997–2000, “Total number of checkbox and write-in diagnostic/screening services ordered or provided”. |
| Toxicology screen | | | | | | | | | X | X | X | X | |
| Urinalysis (UA) | X | X | X | X | X | X | X | X | | | X | X | |
| Urine culture | | | | | | X | X | | | | X | X | |
| Wound culture | | | | | | | | | X | X | X | X | |
| Imaging | | | | | | | | | | | | | |
| CAT scan ¹¹ | | | X | X | X | | | | | | | | |
| Chest X ray | X | X | X | X | X | X | X | | | | | | |
| CT scan ¹² | | | | | | | | X | X | X | X | X | |
| Abdomen/pelvis | | | | | | | | | | | | X | |
| Chest | | | | | | | | | | | | X | |
| Head | | | | | | | | | X | X | X | X | |
| Other than head | | | | | | | | | X | X | X | | |
| Other | | | | | | | | | | | | X | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | Notes |
|----------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|------|------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Visit characteristics | | | | | | | | | | | | | |
| CT scan/MRI ^{12,13} | X | | | | | | | | | | | | |
| Extremity X-ray | X | X | X | X | X | X | X | | | | | | |
| Intravenous contrast | | | | | | | | | | | | X | |
| MRI scan ¹³ | | | X | X | X | | | X | X | X | X | X | |
| Head | | | | | | | | X | | | | | |
| Other than head | | | | | | | | X | | | | | |
| MRI/CAT scan ^{12,13} | | | | | | X | X | | | | | | |
| Other diagnostic imaging | X | X | X | X | X | X | X | X | X | X | X | X | In 2001, was changed to “other imaging.” |
| Other X-ray | | | X | X | X | X | X | | | | | | |
| Ultrasound | | | X | X | X | X | X | X | X | X | X | X | |
| Performed by emergency physician | | | | | | | | | | | | X | |
| Other | | | | | | | | | | | | X | |
| X-ray | | | | | | | | X | X | X | X | X | |
| Procedures | | | | | | | | | | | | | |
| None | X | X | X | X | X | X | X | X | X | X | X | X | |
| BiPAP/CPAP | | | | | | | | | | | | X | |
| Bladder catheter | X | X | X | X | X | X | X | X | X | X | X | X | |
| Cast | | | | | | | | | X | X | X | X | In 2012, “Cast, splint, wrap.” |
| Splint or wrap | | | | | | | | | X | X | X | X | |
| Central line | | | | | | | | | | X | X | X | |
| CPR ¹⁴ | X | X | X | X | X | X | X | X | X | X | X | X | |
| Endotracheal intubation | X | X | X | X | X | X | X | X | X | X | X | X | |
| Eye/ENT care ¹⁵ | X | X | X | X | X | X | X | | | | | | |
| Foreign body removal | | | | | | | | | X | X | X | | |
| Incision and drainage (I & D) | | | | | | | | | X | X | X | X | |
| IV fluids ¹⁶ | X | X | X | X | X | X | X | X | X | X | X | X | |
| Laceration repair | | | | | | | | | X | | | | |
| Lumbar puncture | X | X | X | X | X | | | | | | | X | |
| Nebulizer therapy | | | | | | | | X | X | X | X | X | |
| NG tube/gastric lavage ¹⁷ | X | X | X | X | X | X | X | X | X | | | | In 2005–08, “NG tube/gastric section.” |
| OB/GYN care ¹⁸ | | | X | X | X | X | X | X | | | | | |
| Orthopedic care | X | X | X | X | X | X | X | X | | | | | |
| Other | X | X | X | X | X | X | X | X | X | X | X | X | |
| Other procedures | X | X | X | X | X | | | | | | | | |
| Pelvic exam | | | | | | | | | | X | X | X | |
| Skin adhesives | | | | | | | | | | | | X | |
| Suturing/staples | | | | | | | | | | X | X | X | |
| Thrombolytic therapy | | | | | | X | X | X | | | | | |
| Total number of diagnostic services and procedures | | | X | | | | | | | | | | |
| Total number of procedures provided | | | | X | X | X | X | X | X | X | X | X | |
| Wound care | X | X | X | X | X | X | X | X | | | | | |
| Wound debridement | | | | | | | | X | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | Notes |
|-------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Visit characteristics | | | | | | | | | | | | | |
| Medications | | | | | | | | | | | | | |
| Were medications ordered/provided? | X | X | X | X | X | X | X | X | X | X | X | X | |
| Number of medications ¹⁹ | X | X | X | X | X | X | X | X | X | X | X | X | |
| Medications ²⁰ | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 12 | |
| Was medication given in ED? | | | | | | | | X | X | X | X | X | |
| Was Rx given at discharge? | | | | | | | | X | X | X | X | X | |
| Generic name code | X | X | X | X | X | X | X | X | X | X | X | X | |
| Prescription status code | X | X | X | X | X | X | X | X | X | X | X | X | |
| Controlled substance code | X | X | X | X | X | X | X | X | X | X | X | X | |
| Therapeutic class | X | X | X | X | X | X | X | X | X | X | X | X | In 1992, 2-digit NDC codes were used; 4-digits were used thereafter. Starting in 2002, each medication could have up to three therapeutic classes. Starting in 2006, 3-digit multum codes were used. |
| Ingredient code (up to 5) | X | X | X | X | X | X | X | X | X | X | X | X | |
| Providers seen | | | | | | | | | | | | | |
| Staff physician | X | X | X | X | X | X | X | | | | | | |
| ED attending physician | | | | | | | | X | X | X | X | X | |
| ED resident/intern | | | | | | | | X | X | X | X | X | |
| Resident/intern | X | X | X | X | X | X | X | | | | | | |
| Consulting physician | | | | | | | | | | X | X | X | |
| Other physician | X | X | X | X | X | X | X | | | | | | |
| On-call attending physician/fellow/resident | | | | | | | | X | X | | | | In 2005–06, “On call attending physician/fellow.” |
| RN/LPN ^{21,22} | | | | | | | | X | X | X | X | X | |
| Registered nurse | X | X | X | X | X | X | X | | | | | | |
| Licensed practical nurse | X | X | X | X | X | X | X | | | | | | |
| Nurse’s aide | X | X | | | | | | | | | | | |
| Nurse practitioner | X | | X | X | X | X | X | X | X | X | X | X | |
| Physician assistant | X | | X | X | X | X | X | X | X | X | X | X | |
| Physician assistant/nurse practitioner | | X | | | | | | | | | | | |
| EMT ²³ | | | | X | X | X | X | X | X | X | X | X | |
| Other technician | | | | | | X | X | | | | | | |
| Medical assistant | | | X | | | | | | | | | | |
| Medical/nursing assistant | | | | X | X | | | | | | | | |
| Mental health provider | | | | | | | | | | X | X | X | |
| Other | | X | X | X | X | X | X | X | X | X | X | X | |
| Specify other | | X | X | | | | | | | | | | |
| Visit disposition | | | | | | | | | | | | | |
| No follow-up planned | X | X | X | X | X | X | X | X | X | X | X | X | |
| Return to ED | | | | | | | | | | | | X | |
| Return to ED PRN ²⁴ | X | X | | | | | | | | | | | |
| Return to ED, appointment | X | X | | | | | | | | | | | |
| Return to ED, PRN/appointment ²⁴ | | | X | X | X | | | | | | | | |
| Return if needed, PRN/appointment ²⁴ | | | | | | X | X | X | X | X | X | | |
| Return to referring physician | X | X | X | X | X | X | X | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|--------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|--------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Refer to other physician/clinic | X | X | X | | | | | | | | | | |
| Return/transfer to nursing home | | | | | | | | | | X | X | X | Starting in 2010. |
| Refer to other physician/clinic for follow-up | | | | X | X | X | X | | | | | | |
| Return/refer to physician/clinic for follow-up | | | | | | | | X | X | X | X | X | |
| Refer out from triage without treatment | | | | X | X | X | X | | | | | | |
| Refer to alcohol/drug treatment program | | | | | | X | X | | | | | | |
| Return to nonphysician treatment/support service | | | | | | X | X | | | | | | |
| Refer to social services | | | X | X | X | | | X | X | | | | |
| Left before triage | | | | | | | | | | X | X | X | Starting in 2010. |
| Left after triage | | | | | | | | | | X | X | X | Starting in 2010. |
| Left AMA ²⁵ | X | | | | | X | X | X | X | X | X | X | |
| Left before being seen | | | X | X | X | X | X | X | | | | | In 2006, “left without being seen” was used. |
| Left before medical screening exam | | | | | | | | | X | X | | | |
| Left after medical screening exam | | | | | | | | | X | X | | | |
| DOA ²⁶ | | | | | | | | | X | X | X | X | |
| DOA/died in ED ²⁶ | X | X | X | X | X | X | X | X | | | | | |
| Died in ED | | | | | | | | | X | X | X | X | |
| Transfer to other facility | X | X | X | X | X | X | X | X | X | | | | In 2005–08, “transfer to different hospital” was used. |
| Transfer to psychiatric hospital | | | | | | | | | | X | X | X | |
| Transfer to other hospital | | | | | | | | | | X | X | X | |
| Reason for transfer | | | | | | | | X | X | | | | |
| Admit for 23-hour observation | | | | | | X | | | | | | | |
| Admit to ED for observation unit | | | | | | | X | | | | | | |
| Admit to ICU/CCU ^{27,28} | | | X | X | X | X | X | | | | | | |
| Admit to hospital | X | X | X | X | X | X | X | X | X | X | X | X | Starting in 2009, “Admit to this hospital.” |
| Admit to observation unit | | | | | | | | | X | | | | |
| Admit to observation unit, then hospitalized | | | | | | | | | | X | X | X | |
| Admit to observation unit, then discharged | | | | | | | | | | X | X | X | |
| Other | X | X | X | X | X | X | X | X | X | X | X | X | |
| Specify other | X | X | X | | X | | | | | | | | |
| Hospital admission | | | | | | | | | | | | | |
| Admitted to | | | | | | | | | | | | | |
| Critical care unit | | | | | | | | X | X | X | X | X | |
| Operating room | | | | | | | | | X | X | X | X | |
| OR/cath lab ^{29,30} | | | | | | | | X | | | | | |
| Cardiac catheterization lab | | | | | | | | | X | X | X | X | |
| Other bed/unit | | | | | | | | X | X | X | X | X | |
| Stepdown unit | | | | | | | | | | X | X | X | Starting in 2010. |
| Stepdown or telemetry unit | | | | | | | | | X | X | | | Not in 2010. |
| Mental health or detox unit | | | | | | | | | X | X | X | X | |
| Data not available | | | | | | | | | X | | | | |
| Unknown | | | | | | | | X | | X | X | X | |
| Admitting physician | | | | | | | | | | | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | | Notes |
|----------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|------|-------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | 2012 | |
| Visit characteristics | | | | | | | | | | | | | |
| Hospitalist | | | | | | | | | | X | X | X | |
| Not hospitalist | | | | | | | | | | X | X | X | |
| Unknown | | | | | | | | | | X | X | X | |
| Hospital admission date | | | | | | | | | X | | | | |
| Hospital admission time | | | | | | | | X | X | | | | |
| Hospital discharge date | | | | | | | | X | X | X | X | X | |
| Date and time bed was requested for hospital admission | | | | | | | | | | X | X | X | In 2012, "Date and time bed was requested for hospital admission or transfer" |
| Date and time patient actually left the ED or observation unit | | | | | | | | | | X | X | X | In 2009, "Date and time patient actually left the ED." |
| Principal hospital discharge diagnosis | | | | | | | | X | X | X | X | X | |
| Hospital discharge status/disposition | | | | | | | | | | | | | In 2005–06, "Hospital discharge status." |
| Alive | | | | | | | | X | X | X | X | X | |
| Home/residence | | | | | | | | | X | X | X | X | |
| Transferred | | | | | | | | | X | X | | | |
| Transfer to another facility (not usual place of residence) | | | | | | | | | | X | X | X | Starting In 2010. |
| Return/transfer to nursing home | | | | | | | | | | X | X | X | Starting In 2010. |
| Other | | | | | | | | | X | X | X | X | |
| Unknown | | | | | | | | | | X | X | X | |
| Data not available | | | | | | | | | X | | | | |
| Dead | | | | | | | | X | X | X | X | X | |
| Unknown | | | | | | | | X | X | X | X | X | |
| Data not available | | | | | | | | | X | | | | |
| Observation unit stay | | | | | | | | | | | | | |
| Date and time of observation unit discharge | | | | | | | | | | X | X | X | |
| Imputations | | | | | | | | | | | | | |
| Patient's date of visit | | | X | X | X | | | | | | | | |
| Visit time | | | | X | X | | | | | | | | |
| Patient's birth year | X | X | X | X | X | X | X | X | X | X | X | X | |
| Patient's sex | X | X | X | X | X | X | X | X | X | X | X | X | |
| Patient's race | X | X | X | X | X | X | X | X | X | X | X | X | |
| Patient's ethnicity | X | X | X | | | | X | X | X | X | X | X | |
| Immediacy | | | | X | X | X | X | X | X | X | X | X | |
| Urgency of visit | X | X | X | | | | | | | | | | |
| Alcohol-/drug-related visit | X | X | X | | | | | | | | | | |
| Disposition of visit | X | X | X | | | | | | | | | | |
| Providers seen | X | X | X | | | | | | | | | | |
| Miscellaneous variables | | | | | | | | | | | | | |
| Patient's visit weight | X | X | X | X | X | X | X | X | X | X | X | X | |
| ED weight | | | | | | | | X | X | X | X | X | Used to make provider-level estimates. |
| Geographical region | X | X | X | X | X | X | X | X | X | X | X | X | |
| Metropolitan statistical area (MSA) status | X | X | X | X | X | X | X | X | X | X | X | X | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|--------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Visit characteristics | | | | | | | | | | | | | |
| Hospital ownership | X | X | X | X | X | X | X | X | X | X | X | X | |
| Hospital code | X | X | X | X | X | X | X | X | X | X | X | X | In 1995–2000, "Hospital number." |
| Patient code | | | X | X | X | X | X | X | X | X | X | X | |
| Race recode | | X | X | X | X | X | X | X | X | X | X | X | |
| Age recode | | | X | X | X | X | X | X | X | X | X | X | |
| Cause-of-injury recode | | | | X | X | X | X | X | X | X | X | X | |
| Physician's diagnosis recode | | | | X | X | X | X | X | X | X | X | X | |
| Other diagnostic services recode | | | | X | X | | | | | | | | In 1998, "Other diagnostic/screening services recode." |
| Other procedure recode | | | | X | X | | | | | | | | |
| Intentionality of injury recode | | | | | X | X | X | X | X | X | X | X | |
| Age in days (patients under 1 year) | | | X | X | X | X | X | X | X | X | X | X | |
| Survey year | X | X | X | X | X | X | X | X | X | X | X | X | |
| Who completed patient record form? | | | | | X | X | X | X | X | X | X | X | |
| Setting type | | X | X | X | X | X | X | X | X | X | X | X | |
| Masked sample design variables | X | X | X | X | X | X | | | | | | | |
| Masked clustered design variables | | | | | | | X | X | X | X | X | X | |
| Electronic medical record use | | | | | | | | X | X | X | | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|---------------------------------------------------------------------------------------------------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | |
| Facility characteristics for NHAMCS-ED | | | | | | | | | | | | |
| Has your hospital received any funding for bioterror hospital preparedness from your state or municipal health department within the last 2 years? | | | | | | | X | | | | | |
| Did your hospital receive any Medicaid disproportionate share program funds in 2005? | | | | | | | X | | | | | |
| Does your ED submit any claims electronically (electronic billing)? | | | | | | | | | | X | X | |
| Does your ED verify an individual patient's insurance eligibility electronically? | | | | | | | | | | X | X | In 2011, "Does your ED verify an individual patient's insurance eligibility electronically, with results returned immediately?" |
| How does your ED electronically verify an individual patient's insurance eligibility? | | | | | | | | | | | X | |
| Is it through an EHR/EMR system, a stand-alone practice management system, or some other electronic system? | | | | | | | | | | | X | |
| When your staff electronically verifies a patient's insurance eligibility, do you usually get results back before the patient leaves the ED? | | | | | | | | | | | X | |
| Does your ED use an electronic HEALTH record (EHR) or electronic MEDICAL record (EMR) system? Do not include billing record systems. | | | | | | | X | X | X | X | X | |
| In which year did your ED install your EHR/EMR system? | | | | | | | | | | X | X | |
| What is the name of your current EHR/EMR system? | | | | | | | | | | X | X | |
| Does your ED have plans for installing a new EHR/EMR system within the next 18 months? | | | | | | | X | X | X | X | X | In 2005-10, "Are there plans for installing a new EMR system or replacing the current system within the next three years?" |
| Does your ED have a computerized system for recording patient history and demographic information? | | | | | | | X | X | X | X | X | |
| If practice has a computerized system for patient demographic information, does it include patient problem lists? | | | | | | | | X | X | X | X | |
| Does your ED have a computerized system for recording and charting vital signs? | | | | | | | | | | | X | |
| Does your ED have a computerized system for recording smoking status? | | | | | | | | | | | X | |
| Does your ED have a computerized system for recording clinical notes? | | | | | | | X | X | X | X | X | |
| If your ED has a computerized system for clinical notes, do they include a comprehensive list of the patient's medications and allergies? | | | | | | | | | | X | X | |
| If your ED has a computerized system for clinical notes, do they include medical history and follow-up notes? | | | | | | | X | X | X | | | |
| Does your ED have a computerized system for ordering prescriptions? | | | | | | | X | X | X | X | X | |
| If your ED has a computerized system for prescriptions, are there warnings of drug interactions or contraindications provided? | | | | | | | X | X | X | X | X | |
| If your ED has a computerized system for orders for prescriptions, are prescriptions sent electronically to the pharmacy? | | | | | | | X | X | X | X | X | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Facility characteristics for NHAMCS-ED | | | | | | | | | | | | | |
| At your ED, when orders for prescriptions are submitted electronically, are they submitted by the prescribing practitioner, or by someone else? | | | | | | | | | | | | X | |
| Does your ED have a computerized system for providing reminders for guideline-based interventions or screening tests? | | | | | | | | X | X | X | X | X | |
| Does your ED have a computerized system for providing standard order sets related to a particular condition or procedure? | | | | | | | | | | | X | X | |
| Does your ED have a computerized system for ordering lab tests? | | | | | | | | X | X | X | X | X | |
| If your ED has a computerized system for orders for lab tests, are orders sent electronically? | | | | | | | | X | X | X | X | X | |
| At your ED, when orders for lab tests are submitted electronically, are they submitted by the prescribing practitioner, or by someone else? | | | | | | | | | | | | X | |
| Does your ED have a computerized system for viewing lab results? | | | | | | | | X | X | X | X | X | |
| Can the EHR/EMR automatically graph a specific patient's lab results over time? | | | | | | | | | | | | X | |
| If your ED has a computerized system for viewing lab results, are out-of-range levels highlighted? | | | | | | | | X | X | X | | | |
| If your ED has a computerized system for viewing lab results, are results incorporated in EHR/EMR? | | | | | | | | | | | X | | |
| Does your ED have a computerized system for viewing imaging results? | | | | | | | | X | X | X | X | X | |
| If your ED has a computerized system for viewing imaging results, are electronic images returned? | | | | | | | | X | X | X | | | |
| Does your ED have a computerized system for viewing data on quality of care measures? | | | | | | | | | | | X | X | |
| Does your ED have a computerized system for reporting clinical quality measures to federal or state agencies (such as CMS or Medicaid)? | | | | | | | | | | | | X | |
| Does your ED have a computerized system for generating lists of patients with particular health conditions? | | | | | | | | | | | | X | |
| Does your ED have a computerized system for electronic reporting to immunization registries? | | | | | | | | | | | X | X | |
| Is the electronic reporting to immunization registries reported in standards specified by Meaningful Use criteria? | | | | | | | | | | | | X | |
| Does your ED have a computerized system for public health reporting? | | | | | | | | X | X | X | X | | |
| If your ED has a computerized system for public health reporting, are notifiable diseases sent electronically? | | | | | | | | X | X | X | X | | |
| Does your ED have a computerized system for providing patients with clinical summaries for each visit? | | | | | | | | | | | X | X | |
| Does your ED have a computerized system for exchanging secure messages with patients? | | | | | | | | | | | X | X | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Facility characteristics for NHAMCS-ED | | | | | | | | | | | | | |
| Does your ED have a computerized system for providing patients with an electronic copy of their health information? | | | | | | | | | | | | X | |
| At your ED, if orders for prescriptions or lab tests are submitted electronically, who submits them? | | | | | | | | | | | X | | |
| Does your ED exchange patient clinical summaries electronically with other providers? | | | | | | | | | | | X | | |
| How does your ED electronically send or receive patient clinical summaries? | | | | | | | | | | | X | | |
| The next questions are about sharing (either sending or receiving) patient health information. | | | | | | | | | | | | | |
| Does your hospital share any patient health information electronically (not fax) with any other providers, including hospitals, ambulatory providers, or labs? | | | | | | | | | | | | X | |
| How does your hospital electronically share patient health information? | | | | | | | | | | | | X | |
| Does your ED electronically (not fax) share lab results with the specified health care providers? | | | | | | | | | | | | X | |
| Does your ED electronically (not fax) share imaging reports with the specified health care providers? | | | | | | | | | | | | X | |
| Does your ED electronically (not fax) share patient problem lists with the specified health care providers? | | | | | | | | | | | | X | |
| Does your ED electronically (not fax) share medication lists with the specified health care providers? | | | | | | | | | | | | X | |
| Does your ED electronically (not fax) share medication allergy lists with the specified health care providers? | | | | | | | | | | | | X | |
| Does your ED have a physically separate observation or clinical decision unit? | | | | | | | | | X | X | X | X | |
| If your ED has an observation or clinical decision unit, is it administratively part of the ED or the inpatient side of the hospital? | | | | | | | | | X | X | | | |
| What type of physicians make decisions for patients in the observation or clinical decision unit? | | | | | | | | | | | X | X | |
| Are admitted ED patients ever “boarded” for more than 2 hours in the ED or the observation unit while waiting for an inpatient bed? | | | | | | | | | X | X | X | X | |
| Does your ED allow some admitted patients to move from the ED to inpatient corridors while awaiting a bed (“boarding”) - sometimes called a “full capacity protocol?” | | | | | | | | | | | | X | |
| If the ED is critically overloaded, are admitted ED patients ever “boarded” in inpatient hallways or in another space outside the ED? | | | | | | | | | X | X | X | | |
| Did your ED go on ambulance diversion in previous year? | | | | | | | | | X | X | X | X | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Facility characteristics for NHAMCS-ED | | | | | | | | | | | | | |
| What is the total number of hours that your hospital's ED was on ambulance diversion in previous year? | | | | | | | | | X | X | X | X | |
| Is ambulance diversion actively managed on a regional level versus each hospital adopting diversion if and when it chooses? | | | | | | | | | X | X | X | X | |
| Does your hospital continue to admit elective or scheduled surgery cases when the ED is on ambulance diversion? | | | | | | | | | X | X | X | X | |
| As of last week, how many standard treatment spaces did your ED have? | | | | | | | | | | | X | X | |
| As of last week, how many other treatment spaces did your ED have? | | | | | | | | | | | X | X | |
| In the last two years, did your ED increase the number of standard treatment spaces? | | | | | | | | X | X | X | X | X | |
| In the last two years, did your ED's physical space expand? | | | | | | | | X | X | X | X | X | |
| Do you have plans to expand your ED's physical space within the next two years? | | | | | | | | X | X | X | X | X | |
| How many days in a week are elective surgeries scheduled? | | | | | | | | | X | X | | | |
| Does your hospital have a bed coordinator, sometimes known as a bed czar? | | | | | | | | | X | X | | | |
| How often are hospital bed census data available? | | | | | | | | | X | X | | | |
| Does your ED use bedside registration? | | | | | | | | | X | X | X | X | |
| Does your ED use kiosk self check-in? | | | | | | | | | | | | X | |
| Does your ED use computer-assisted triage? | | | | | | | | | X | X | X | X | |
| Does your ED use immediate bedding (no triage when ED is not at capacity)? | | | | | | | | | | | | X | |
| Does your ED use advanced triage (triage-based care) protocols? | | | | | | | | | | | | X | |
| Does your ED use physician/practitioner at triage? | | | | | | | | | | | | X | |
| Does your ED use separate fast track unit for nonurgent care? | | | | | | | | | X | X | X | X | |
| Does your ED use separate operating room dedicated to ED patients? | | | | | | | | | X | X | X | X | |
| Does your ED use electronic dashboard (i.e., displays updated patient information and integrates multiple data sources)? | | | | | | | | | X | X | X | X | |
| Does your ED use radio frequency identification (RFID) tracking (i.e., shows exact location of patients, caregivers, and equipment)? | | | | | | | | | X | X | X | X | |
| Does your ED use wireless communication devices by providers? | | | | | | | | | | | | X | |
| Does your ED use zone nursing (i.e., all of a nurse's patients are located in one area)? | | | | | | | | | X | X | X | X | |
| Does your ED use pool nursing (i.e., nurses that can be pulled to the ED to respond to surges in demand)? | | | | | | | | | X | X | X | X | |
| Does your ED use full capacity protocol? | | | | | | | | | X | X | X | | |

NHAMCS–ED Survey Content, by Year of Data Collection¹

| | Survey year(s) | | | | | | | | | | | Notes | |
|--------------------------------------------------------------------------|----------------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|------|-------|----------------------------------------|
| | 1992 | 1993–94 | 1995–96 | 1997–98 | 1999–2000 | 2001–02 | 2003–04 | 2005–06 | 2007–08 | 2009–10 | 2011 | | 2012 |
| Facility characteristics for NHAMCS-ED | | | | | | | | | | | | | |
| Numeric recodes | | | | | | | | | | | | | |
| Cause of injury | | | | | | | | X | X | X | X | X | |
| Physician's diagnosis | | | | | | | | X | X | X | X | X | |
| Other diagnostic services | | | | | | | | X | X | X | X | X | |
| Other procedure | | | | | | | | X | X | X | X | X | |
| Intentionality of injury | | | | | | | | X | X | X | X | X | |
| NHAMCS design variables | | | | | | | | | | | | | |
| Clustered PSU stratum marker (masked) | | | | | | | | X | X | X | X | X | |
| Clustered PSU marker (masked) | | | | | | | | X | X | X | X | X | |
| Miscellaneous variables | | | | | | | | | | | | | |
| Emergency Department weight | | | | | | | | X | X | X | X | X | Used to make provider-level estimates. |
| Percent poverty in patient's zip code | | | | | | | | X | X | X | X | X | |
| Median household income in patient's zip code | | | | | | | | X | X | X | X | X | |
| Percent of adults with Bachelor's degree or higher in patient's zip code | | | | | | | | X | X | X | X | X | |
| Urban-rural classification of patient's zip code | | | | | | | | X | X | X | X | X | |
| Who completed the patient record? | | | | | | | | X | X | X | X | X | |
| Setting type | | | | | | | | X | X | X | X | X | |
| Survey year | | | | | | | | X | X | X | X | X | |

¹The Emergency Department (ED) is a component of the National Hospital Ambulatory Medical Care Survey (NHAMCS). NHAMCS was initiated in 1992.

²Variable is not available on public-use file; must access via NCHS' Research Data Center.

³HMO is health maintenance organization.

⁴SCHIP is State Children's Health Insurance Program (now CHIP).

⁵HIV is human immunodeficiency virus.

⁶AIDS is acquired immune deficiency syndrome.

⁷BUN is blood urea nitrogen.

⁸STD is sexually transmitted disease.

⁹EKG is electrocardiogram.

¹⁰ECG is electrocardiogram.

¹¹CAT is computed axial tomography.

¹²CT is computed tomography.

¹³MRI is magnetic resonance imaging.

¹⁴CPR is cardiopulmonary resuscitation.

¹⁵ENT is ear, nose, and throat.

¹⁶IV is intravenous.

¹⁷NG is nasogastric.

¹⁸OB/GYN is obstetrics and gynecology.

¹⁹The number of medications recorded on the Patient Record form by the respondent.

²⁰The maximum number of medications that could have been reported on the Patient Record form.

²¹RN is registered nurse.

²²LPN is licensed practical nurse.

²³EMT is emergency medical technician.

²⁴PRN is "if needed."

²⁵AMA is against medical advice.

²⁶DOA is dead on arrival.

²⁷ICU is intensive care unit.

²⁸CCU is critical care unit.

²⁹OR is operating room.

³⁰Cath is catheterization.

